

Catalogue of Types and of
Sponges, Corals, Polychaetes, Crabs and Echinoderms
in the Reference Collections of the
Central Marine Fisheries Research Institute



BULLETIN No. 7

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

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BULLETIN OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

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Number 7

CATALOGUE OF TYPES AND OF SPONGES, CORALS,
POLYCHAETES, CRABS AND ECHINODERMS IN THE
REFERENCE COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

I. Type Specimens	By	P.S.B.R. James
II. Sponges	By	P.A. Thomas
III. Corals	By	C. S. Gopinadha Pillai
IV. Polychaetes	By	G.P. Kumaraswamy Achari
V. Crabs and Hermit-Crabs	By	M.M.Thomas
VI. Echinoderms	By	D. B. James

May 1969

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

Marine Fisheries P.O
Mandapam Camp
Ramanathapuram District
India

THE BULLETIN OF THE CENTRAL MARINE FISHERIES
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NATURE BECOMES AVAILABLE FOR DISSEMINATION

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FOREWORD

The Reference collections of the Central Marine Fisheries Research Institute at Mandapam Camp have steadily grown in the past two decades since its inception. Although it was originally intended to have these collections primarily with a view to representing economically important groups from the marine habitats, in recent years, with a number of Research Scholars specializing in varied zoological groups out of taxonomic and academic interests, the collections of the Institute have increased substantially.

In the present Bulletin are listed 46 Type species representing different phyla, 152 species of sponges, 160 species of corals, 200 species of crabs and hermit-crabs and 185 species of echinoderms. Some of the species listed are new records from the seas around India or even from the Indian Ocean as reported by the research workers of this institute. For types, references are given followed by type category, registered number, locality and other particulars. For reference collections the name of the species is followed by registered number and localities of occurrence.

It may be mentioned here that almost the entire collection of corals and sponges listed here have been made by Dr. C.S. Gopinadha pillai and Mr. P. A. Thomas, as Research Scholars specializing in the respective groups. Polychaete collections were made in the initial stages by Mr.K. Rengarajan, but substantial additions have been made in the recent few years by Mr.G. P. Kumaraswamy Achary. Dr. C. Sankarankutty who worked at this Institute on the brachyuran and anomuran decapod crustacea collected and deposited considerable number of specimens representing the groups and Mr. M.M. Thomas currently added a good number to them. The echinoderm group in a similar way represented by collections from Indian coasts including the Laccadive Archipelago and the Andaman Nicobar group of Islands is mostly made by Mr. D.B. James who has taken this group for detailed study. This collection has been enriched by a number of specimens from coasts other than Indian through the courtesy and co-operation of scientific workers interested in the group elsewhere.

It gives me immense pleasure to place on record my appreciation to all concerned and particularly to Dr.P.S.B.R. James, Dr.C.S. Gopinadha Pillai, Messrs. P.A. Thomas, G.P. Kumaraswamy Achari, M.M. Thomas and D.B. James for the maintenance and cataloguing of the reference collections listed in this Bulletin. It is contemplated that similar catalogues be issued on other groups also in the near future. Such carefully catalogued collections steadily augmented by future workers, it is hoped, will serve to guide those interested and facilitate investigations in the respective fields.

Mandapam Camp
May, 1969

S.JONES
Director
Central Marine Fisheries
Research Institute

CATALOGUE OF TYPES IN THE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

P. S. B. R. James

(Central Marine Fisheries Research Institute, Mandapam Camp)

I. CATALOGUE OF TYPES

PHYLUM CNIDARIA
CLASS ANTHOZOA
ORDER SCLERACTINIA
FAMILY PORITIDAE

1. *Porites exserta* Pillai

1968. *Porites exserta* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2**(4) : 17, No.27.

1969. *Porites exserta* Pillai, *J. Mar. biol. Ass. India*, **9**(2) : 402-406.

Holotype: CMFRI No. 118, Manauli Island (Gulf of Mannar), 1-2-1965.

2. *Porites mannarensis* Pillai

1968. *Porites mannarensis* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2** (4) : 17, No. 27.

1969. *Porites Mannarensis* Pillai, *J. Mar. biol. Ass. India*, **9**(2) :402-406.

Syntypes: 4 specimens, CMFRI No. 119, Manauli Island (Gulf of Mannar), February, 1965.

3. *Porites minicoiensis* Pillai

1968. *Porites minicoiensis* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2**(4): 17, No.27.

1969. *Porites minicoiensis* Pillai, *J. Mar. biol. Ass. India*, **9**(2): 402-406.

Holotype: CMFRI No.120, Minicoy (Laccadives), 10-6- 1966, Alimanikfan coll.

4. *Goniopora nigra* Pillai

1968. *Goniopora nigra* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2**(4) :17, No.27.

1969. *Goniopora nigra* Pillai, *J. Mar. biol. Ass. India*, **9**(2): 402-406.

Syntypes: 3 Specimens, CMFRI No.121, Mandapam (Palk Bay), July, 1965, Alimanikfan Coll.

FAMILY DENDROPHYLLIDAE

5. *Dendrophyllia indica* Pillai

1968. *Dendrophyllia indica* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2**(4): 17, No.28.

1969. *Dendrophyllia indica* Pillai, *J. Mar. biol. Ass. India*, **9**(2): 407-409.

Holotype: CMFRI No.122, Tuticorin (Gulf of Mannar), 7-10-66, S. Mahadevan Coll.

Paratype: CMFRI No. 123, Data same as for holotype.

FAMILY ACROPORIDAE

6. *Montipora manauliensis* pillai

1968. *Montipora manauliensis* Pillai, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **2**(4): 16, No.26.

1969. *Montipora manauliensis* Pillai, *J. Mar. biol. Ass. India*, **9**(2): 399-401

Holotype: CMFRI No.124, Manauli Island (Gulf of Mannar), 7-12-1964

Paratype: CMFRI No. 125, data same as for holotype.

PHYLUM MOLLUSCA

CLASS GASTROPODA

ORDER ACOELA

FAMILY EUBRANCHIDAE

7. *Eubbranchus mannarensis* Prabhakara Rao

1968. *Eubbranchus mannarensis* Prabhakara Rao, *Abstracts of papers presented at the symp. on Mollusca*, Ernakulam (Cochin), 12-16 January 1968: 6-7, Mar. biol. Ass. India.

1969. *Eubbranchus mannarensis* Prabhakara Rao, *Proc. Symp. on Mollusca*, Ernakulam (Cochin), 12-16 January, 1968, Part 1: 51-60, Mar. biol. Ass. India.

Holotype: CMFRI No.82, Mandapam Camp (Gulf of Mannar), Opposite to C.M.F.R.I. Jetty, February, 1964.

8. *Capellinia fuscannulata* Prabhakara Rao

1968. *Capellinia fuscannulata* Prabhakara Rao, *Abstracts of papers presented at the symposium on Mollusca*, Ernakulam (Cochin), 12-16 January, 1968: 6-7, Mar. biol. Ass. India.

1969. *Capellinia fuscannulata* Prabhakara Rao, *Proc. Symp. on Mollusca*, Ernakulam (Cochin), 12-16 January, 1968, Part I: 51-60, Mar. biol. Ass. India.

Holotype: CMFRI No. 83, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, February 1964.

9. *Eubbranchopsis indicus* Prabhakara Rao

1968. *Eubbranchopsis indicus* Prabhakara Rao, *Abstracts of papers presented at the Symp. on Mollusca*, Ernakulam (Cochin), 12-16 January, 1968: 6-7, Mar. biol. Ass. India.

1969. *Eubbranchopsis indicus* Prabhakara Rao, *Proc. Symp. on Mollusca*, Ernakulam (Cochin), 12-16 January, 1968, Part I. 51-60, Mar. biol. Ass. India.

Holotype: CMFRI No. 84, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, March 1964.

10. *Annulorhina mandapamensis* Prabhakara Rao

1969. *Annulorhina mandapamensis* Prabhakara Rao, *Proc. Symp. on Mollusca*, Ernakulam (Cochin), January 12-16, 1968, Part 1: 51-60, Mar. biol. Ass. India.

Holotype: CMFRI No. 85, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, April 1964.

PHYLUM ANNELIDA

CLASS POLYCHAETA

FAMILY ONUPHIDAE

11. *Nothria mannarensis* Rangarajan & Mahadevan

1962. *Nothria mannarensis* Rangarajan & Mahadevan, *J. Mar. biol. Ass. India*, 3(1&2): 179-185.

Holotype: One specimen, CMFRI No. 47, Pudumadam (79° 01' E, 9° 16' N) (Gulf of Mannar), 25-4-1961.

Paratype: One specimen, CMFRI No. 48, data same as for holotype.

FAMILY CAPITELLIDAE

12. *Scyphoproctus variabilis* Rangarajan

1964. *Scyphoproctus variabilis* Rangarajan, *J. Mar. biol. Ass. India*, 5(2): 251-257.

Syntypes: 6 specimens, CMFRI No. 73, near Vedalai (Gulf of Mannar), Inter-tidal area, 21-4-1962.

FAMILY PILARGIDAE

13. *Ancistargis brevicirris* Rangarajan

1964. *Ancistargis brevicirris* Rangarajan, *J.Mar.biol.Ass.India*, **6**(1):122-127.

Syntypes: 3 specimen, CMFRI No.79. Palk Bay, 7-10 metres, 12-7-1961 and 22-8-1962.

PHYLUM ARTHROPODA

CLASS CRUSTACEA

SUBCLASS COPEPODA

ORDER CALANOIDA

FAMILY RIDGEWAYIIDAE

14. *Ridgewayia krishnaswamyi* Ummerkutty

1963. *Ridgewayia krishnaswamyi*, Ummerkutty, *Bull. Dept. Mar. biol. Oceanogr.Univ.Kerala*, **1**: 15-28.

Holotype: Female, CMFRI No.52, Vedalai (Gulf of Mannar), from littoral weeds, 2 metres, 16-9-1960.

Allotype: Male, CMFRI No.53, data same as for holotype.

Paratypes: 5 Females, 5 Males, CMFRI No.54, data same as for holotype.

FAMILY PONTELLIDAE

15. *Labidocera pseudacuta* Silas & Pillai

1968. *Labidocera pseudacuta* Silas & Pillai, *Adv. Abstr. Contr.Fish. Aquat.Sci.India*, **2**(4): 14-15.

1969. *Labidocera Pseudacuta* Silas & Pillai, *J.Mar.biol.Ass.India*, **9**(2): 346-364.

Holotype: Female, CMFRI No. 99, R. V. ANTON BRUUN, Stn.288 at 09^o 28' N., 54^o 52' E., on 5-2- 1964, from surface, 0645-0715 hrs, depth at Stn.4648 metres.

Allotype: Male, CMFRI No.100, data same as for holotype.

Paratypes: 111 females, 318 males, CMFRI No.101, from 8 different stations of R.V. ANTON BRUUN, 31-1-1964 to 18-2-1964.

ORDER CYCLOPOIDA

FAMILY ARCHINOTODELPHIDAE

16. *Nearchinotodelphys indicus* Ummerkutty

1961. *Nearchinotodelphys indicus* Ummerkutty, *J.Mar. boil.Ass.India*, **2**(2): 165-178.

Holotype: Female, CMFRI No.4, Mandapam Camp (Palk Bay) from the mantle cavity of the boring bivalve, *Lithophaga stramineus*, 2 Metres, 18-7-1960.

Allotype: Male, CMFRI No.5, data same as for holotype.

Paratypes: 4 females, 4 males, CMFRI No. 6, data same as for holotype.

FAMILY ASTEROCHERIDAE

17. *Asteropontius littoralis* Ummerkutty

1962. *Asteropontius littoralis* Ummerkutty, *J. Mar.biol.Ass.India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No.10, Mandapam camp (Palk Bay) from weeds of littoral area, 2 metres, 18-6-1960.

Paratypes: 10 females, CMFRI No.11, data same as for holotype.

18. *Asteropontius sewelli* Ummerkutty

1962. *Asteropontius sewelli* Ummerkutty, *J.Mar.biol.Ass.India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No.12, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 18-6-1960.

Paratype: 1 female, CMFRI No.13, data same as for holotype.

19. *Indomyzon qasimi* Ummerkutty

1966. *Indomyzon qasimi* Ummerkutty, *Crustaceana*, **11**(1):17-32.

Holotype: Female, CMFRI No.55, Hare Island (Gulf of Mannar), from washings of starfish, 1 metre, 24-10-1960.

Allotype: Male, CMFRI No.56, data same as for holotype.

Paratypes: 4 females, 1 male, CMFRI No. 57, data same as for holotype.

FAMILY DYSPONTIIDAE

20. *Paralepeosyllus mannarensis* Ummerkutty

1961. *Paralepeosyllus mannarensis* Ummerkutty, *J. Mar. biol. Ass. India*, **2**(1): 105-114.

Holotype: Female, CMFRI No.7, Vedalai (Gulf of Mannar), from washings of crinoid, 1 metre, 26-8-1960.

Allotype: Male, CMFRI No. 8, Vedalai (Gulf of Mannar), from washings of sponge, 1 metre, 3-8-1960.

Paratypes: 5 females, 1 male, CMFRI No. 9, data same as for allotype.

21. *Cryptopontius graciloides* Ummerkutty

1962. *Cryptopontius graciloides* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No. 14, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 29-6-1960.

Paratype: 1 female, CMFRI No.15, data same as for holotype.

22. *Cryptopontius orientalis* Ummerkutty

1962. *Cryptopontius orientalis* Ummerkutty, *J.Mar.biol.Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No.16, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 14-7-1960.

Allotype: Male, CMFRI No.17, data same as for holotype.

Paratypes: 3 females, 1 male, CMFRI No.18, data same as for holotype.

FAMILY CLAUSIDIIDAE

23. *Hemicyclops intermedius* Ummerkutty

1962. *Hemicyclops intermedius* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2):19-69.

Holotype: Female, CMFRI No.19, Vedalai (Gulf of Mannar), from washings of weeds, 2 metres, 7-7-1960.

FAMILY LICHOMOLGIDAE

24. *Pseudanthessius agilis* Ummerkutty

1962. *Pseudanthessius agilis* Ummerkutty, *J.Mar.biol. Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No.20, Mandapam Camp (Gulf of Mannar), from washings of sponge, 2 metres, 21-7-1960.

Allotype: Male, CMFRI No.21, data same as for holotype.

Paratypes: 5 females, 5 males, CMFRI No.22, data same as for holotype.

25. *Pseudanthessius anormalus* Ummerkutty

1965. *Pseudanthessius anormalus* Ummerkutty, *Abstracts of papers presented at the symp. on Crustacea*, Ernakulam (Cochin), 12-15 Jan. 1965: 7-8, Mar. biol. Ass. India.

1966. *Pseudanthessius anormalus* Ummerkutty, *Proc. Symp. on Crustacea*, Ernakulam (Cochin), January 12-15, 1965, Part 1: 107-113, Mar. biol. Ass. India.

Holotype: Female, CMFRI No. 64, Vedalai (Gulf of Mannar), from washings of sponges, 2 metres, 19-10-1960.

Paratypes: 2 females, CMFRI No. 65, data same as for holotype.

26. *Pseudanthessius brevicauda* Ummerkutty

1965. *Pseudanthessius brevicauda* Ummerkutty, *Abstracts of papers presented at the Symp. on Crustacea*, Ernakulam (Cochin), 12-15 January, 1965: 7-8, Mar. biol. Ass. India. 1966.

Pseudanthessius brevicauda Ummerkutty, *Proc. Symp. on Crustacea* Ernakulam (Cochin), 12-15 January, Part 1: 107-113, Mar. biol. Ass. India.

Holotype: Female, CMFRI No. 66, Vedalai (Gulf of Mannar), from washings of littoral weeds, 2 metres, 3-11-1960.

Paratypes: 2 females, CMFRI No. 67, data same as for holotype.

27. *Macrochiron (Macrochiron) rigida* Ummerkutty

1962. *Macrochiron (Macrochiron) rigida* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No. 23, Vedalai (Gulf of Mannar), from washings of sponge, 2 metres, 8-8-1960.

Allotype: Male, CMFRI No. 24, data same as for holotype.

Paratypes: 5 females, CMFRI No. 25, data same as for holotype.

28. *Lichomolgus holothuriae* Ummerkutty

1962. *Lichomolgus holothuriae* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No. 26, Vedalai (Gulf of Mannar), from washings of holothurians, 2 metres, 2-7-1960.

Allotype: Male, CMFRI No. 27, data same as for holotype.

Paratypes: 10 females, 4 males, CMFRI No. 28, data same as for holotype.

29. *Lichomolgus serratipes* Ummerkutty

1962. *Lichomolgus serratipes* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2): 19-69.

Holotype: Female, CMFRI No. 29, Vedalai (Gulf of Mannar), from washings of *Pteroides esperi* Herklots, 2 metres, 13-11-1960, S. Jones Coll.

Allotype: Male, CMFRI No.30, data same as for holotype.

Paratypes: 5 females, 5 males, CMFRI No.31, data same as for holotype.

30. *Lichomolgus brevifurcatus* Ummerkutty

1962. *Lichomolgus brevifurcatus* Ummerkutty, *J. Mar. biol. Ass. India*, **3**(1&2):19-69.

Holotype: Female, CMFRI No. 32, vedalai (Gulf of Mannar) , from washings of starfish, 2 metres, 12-7-1960.

Allotype: Male, CMFRI No.33, data same as for holotype.

Paratypes: 2 males, CMFRI No. 34, data same as for holotype.

31. *Lichomolgus indicus* Ummerkutty

1962. *Lichomolgus indicus* Ummerkutty *J. Mar. biol. Ass. India*, **3**(1&2):19-69.

Holotype: Female, CMFRI No.35, Vedalai,(Gulf of Mannar), from washings of starfish, 2 metres, 12-7-1960.

Allotype: Male, CMFRI No.36, data same as for holotype.

Paratypes: 3 females, CMFRI No.37, data same as for holotype.

FAMILY STELLICOMITIDAE

32. *Asterocomes indica* Padmanabha Rao

1963. *Asterocomes indica* Padmanabha Rao, *J. Mar. biol. Ass. India*, **4**(1): 100-105.

Holotype: Female, CMFRI No.49, Devipatnam (Palk Bay) , September-October 1961.

Allotype: Male, CMFRI No.50, data same as for holotype.

Paratypes: 7 females, 4 males, CMFRI No.51, data same as for holotype.

FAMILY ERGASILIDAE

33. *Bomolochus sardinellae* Bennet

1964. *Bomolochus sardinellae* Bennet, *J. Mar. biol. Ass. India* **6**(1) : 84-88.

Holotype: Female, CMFRI No.74, from the eye of *Sardinella albella* (Val.) caught in shore seine off Dhanushkodi (Lat . 9⁰ 11' N. , Long. 79⁰ 25' E.), 3-8- 1959, 0745 hrs.

Paratypes: 1 male, CMFRI No. 76, data same as for holotype, attached to the posterior portion of female (Holotype).

34. *Bomolochus varunae* Bennet

1968, *Bomolochus varunae* Bennet, *J. Mar. biol. Ass. India*, **8**(1&2) : 295-301.

Holotype: Female, CMFRI No.86, from the fish *Anodontostoma chacunda*, Arabian Sea, February, 10-14, 1965.

Allotype: Male, CMFRI No.87, data same as for holotype.

Paratype: 1 female, CMFRI No. 88, data same as for holotype 10-2- 1965.

35. *Bomolochus jonesi* Bennet

1968. *Bomolochus jonesi* Bennet, *J. Mar. biol. Ass. India*, **9**(1): 132-136.

Holotype: Female, CMFRI No. 91, from *Rastrelliger kanagurta*, Calicut, 7-7-1966.

FAMILY TAENIACANTHIDAE

36. *Taeniacanthus dentatus* Sebastian

1964. *Taeniacanthus dentatus* Sebastian, *J. Mar. biol. Ass. India*, **6**(1):94-97.

Holotype: Female, CMFRI No. 75, from inner surface of opercle of a single fish, *Bembrops caudimaculata* Steindachner, Palk Bay, 24-6-1962.

ORDER HARPACTICOIDA

FAMILY TISBIDAE

37. *Tisbintra jonesi* Ummerkutty

1961. *Tisbintra jonesi* Ummerkutty, *J. Mar. biol. Ass. India*, **2**(2): 149-164

Holotype: Female, CMFRI No.1, Mandapam Camp (Gulf of Mannar), inshore waters, 3 metres, 12-2-1960.

Allotype: Male, CMFRI No.2, data same as for holotype.

Paratypes: 5 females, 5 males, CMFRI No.3, data same as for holotype.

ORDER CALIGOIDA

FAMILY CALIGIDAE

38. *Caligus krishnai* Thomas

1968. *Caligus krishnai* Thomas, *J. Mar. biol. Ass. India*, **9**(1) : 137-140.

Holotype: Female, CMFRI No. 92, from *Euthynnus affinis affinis*, Calicut, 25-1-1965.

Allotype: Male, CMFRI No.93, data same as for holotype.

CLASS CRUSTACEA
SUBCLASS MALACOSTRACA
ORDER EUPHAUSIACEA

39. *Stylocheiron indicus* Silas & Mathew

1967. *Stylocheiron indicus* Silas & Mathew, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **1**(2): 16-17.

1967. *Stylocheiron indicus* Silas & Mathew, *Curr. Sci.*, **36**(7): 169- 171.

Holotype: Male, CMFRI No.94, R. V. VARUNA St. 2138, 9^o 00' N., 75^o 58' E., IIOE net, 300-0m.,
Stn. depth 320 metres, 18-3-1964.

Allotype: Female, CMFRI No.95, data same as for holotype.

Paratypes: 37 females, 28 males, 4 immature specimens, CMFRI No.96, R. V. VARUNA Stns. 2138
and 2143, 18-3-1964 and 20- 3-1964.

CLASS CRUSTACEA
SUBCLASS MALACOSTRACA
ORDER DECAPODA
FAMILY PENAEIDAE

40. *Metapenaeus kutchensis* P.C George, M.J. George & Vedavyasa Rao

1964. *Metapenaeus kutchensis* P.C. George, M.J. George & Vedavyasa Rao, *J. Mar. Biol. Ass. India*, **5**(2): 284-288.

Holotype: Male, CMFRI No.80, Gulf of Kutch, 3-12 metres, 16-4-1963.

Allotype: Female, CMFRI No.81, data same as for holotype.

41. *Metapenaeus alcocki* George & Vedavyasa Rao

1968. *Metapenaeus alcocki* George & Vedavyasa Rao, *J. Mar. Biol. Ass. India*, **8**(1&2): 146-151.

Holotype: Female, CMFRI No.89, Gulf of Kutch, 16-4-1963.

Allotype: Male, CMFRI No.90, data same as for holotype.

FAMILY XANTHIDAE

42. *Jonesius minuta* Sankarankutty

1963. *Jonesius minuta* Sankarankutty, *J.Mar Biol.Ass.India*, **4**(1); 121-150.

Holotype: Female, CMFRI No.68, Aberdeen Bay, Andamans, 7-3-1960.

FAMILY PORCELLANIDAE

43. *Pseudoporcellanella manoliensis* Sankarankutty

1962. *Pseudoporcellanella manoliensis* Sankarankutty, *J.Mar.biol.Ass.India*, **3**(1&2): 92-95.

Holotype: Immature specimen, CMFRI No.69, Manoli Island (Gulf of Mannar), 15-10-1960.

44. *Porcellanella haigae* Sankarankutty.

1964. *Porcellanella haigae* Sankarankutty, *J. Mar. biol. Ass. India*, **5**(2): 273-279.

Holotype: Male, CMFRI No.77, commensal on *Pteroides* sp., Tuticorin (Gulf of Mannar), 20 metres, 20-9-1962.

Allotype: CMFRI No.78, data same as for holotype.

FAMILY PARTHENOPIDAE

45. *Zalasius indica* Sankarankutty

1965. *Zalasius indica* Sankarankutty, *Abstracts of papers presented at the Symp.on Crustacea*, Ernakulam (Cochin), 12-15 January, 1965:2-3, *Mar.biol.Ass.India*.

1966. *Zalasius indica* Sankarankutty, *Proc. Symp. on Crustacea*, Ernakulam (Cochin), 12-15 January, 1965, Part 1:347-362, *Mar.biol.Ass.India*.

Holotype: Female, CMFRI No.70, Devipatnam (Palk Bay), 15-8-1961.

PHYLUM CHAETOGNATHA

46. *Sagitta bombayensis* Lele & Gae

1936. *Sagitta bombayensis* Lele & Gae, *J. Univ. Bombay*, **4**(5):105-113.

1968. *Sagitta bombayensis* Silas & Sreenivasan, *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, 2(2):18.

1968. *Sagitta bombayensis* Silas & Sreenivasan, *J. Mar. biol. Ass. India*, 9(1): 84-95.

Neotype: One specimen, CMFRI No. 97, Bombay harbour, 10-0 metres, 0730-0740hrs, 3-11-1966.

E. G. Silas Coll.

Topotypes: 104 specimens, CMFRI No.98, Bombay harbour, 9-0 and 10-0 metres, 0730-0810 hrs,

3-11-1966. E.G.Silas Coll.

CATALOGUE OF SPONGES IN THE REFERENCE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

P.A.Thomas

(Central Marine Fisheries Research Institute, Mandapam Camp)

II. CATALOGUE OF SPONGES

PHYLUM PORIFERA
CLASS DEMOSPONGIAE
ORDER KERATOSIDA
FAMILY SPONGIIDAE

1. *Spongia officinalis* Linnaeus var. *ceylonensis* Dendy. CMFRI – S. 1. Mandapam (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea).
2. *Heteronema erecta* Keller. CMFRI - S. 2. Hare Island, Pulli Island, Rameswaram Island (Gulf of Mannar); Mandapam (Palk Bay) ; Mahe Island (Seychelles).
3. *Hyattella cribriformis* (Hyatt). CMFRI - S. 3. Vedalai (Gulf of Mannar); Mandapam (Palk Bay);Mahe Island (Seychelles).
4. *Phyllospongia foliascens* (Pallas).CMFRI - S. 4. Andamans; Mahe Island (Seychelles).
5. *Ircinia fusca* (Carter).CMFRI - S. 5. Pamban (Palk Bay);Mandapam (Gulf of Mannar).
6. *Fasciospongia cavernosa* (Schmidt). CMFRI - S. 6. Mandapam (Gulf of Mannar);Rameswaram Island (Palk Bay); Kovalam,Cape Comorin (Arabian Sea); Mahe Island (Seychelles).

FAMILY DYSIDEIDAE

7. *Dysidea fragilis* (Montagu).CMFRI - S. 7. Mandapam (Gulf of Mannar).
8. *D. herbacea* (Keller). CMFRI - S. 8. Pamban (Palk Bay).
9. *Dendrilla cactus* (Selenka). CMFRI - S. 9. Krusadai Island,Hare Island (Gulf of Mannar); Rameswaram Island (Palk Bay).
10. *D. nigra* (Dendy) CMFRI - S. 10. Rameswaram Island (Palk Bay); Cochin (Arabian Sea).

FAMILY APLYSILLIDAE

11. *Psammaphysilla purpurea* (Carter). CMFRI - S. 11. Mandapam (Palk Bay).

ORDER HAPLOSCLERIDA FAMILY HALICLONIDAE

12. *Haliclona tenuiramosa* (Burton). CMFRI - S. 12. Mandapam (Palk Bay); Kuntugal point (Gulf of Mannar).

13. *H. exigua* (Kirkpatrick). CMFRI - S. 13.Mandapam (Palk Bay); Hare Island (Gulf of Mannar).
 14. *H. retiderma* (Dendy). CMFRI - S. 14.Mahe Island (Seychelles).
 15. *H. cribricutis* (Dendy). CMFRI - S. 15.Mahe Island (Seychelles).

FAMILY DESMACIDONIDAE

16. *Iotrochota purpurea* (Bowerbank).CMFRI - S. 16.Mahe Island (Seychelles).
 17. *I. baculifera* Ridley.CMFRI - S. 17. Krusadai Island (Gulf of Mannar);
 18. *Gelliodes fibulatus* Ridley. CMFRI - S. 18. Andamans.

FAMILY ADOCIIDAE

19. *Sigmatocia fibulata* (Schmidt).CMFRI - S. 19.Krusadai Island,Rameswaram Island
 (Gulf of Mannar);Mahe Island (Seychelles).
 20. *S. Petrosioides* (Dendy).CMFRI - S. 20.Mandapam (Palk Bay);Hare Island,Manauli Island
 (Gulf of Mannar).
 21. *S.carnosa* (Dendy).CMFRI - S. 21.Madras Harbour (Bay of Bengal).
 22. *S. pumila*(Lendenfeld).CMFRI - S. 22.Pamban (Gulf of Mannar); Mandapam (Palk Bay).
 23. *Toxadocia toxius*(Topsent). CMFRI - S. 23.Mandapam (Palk Bay).
 24. *Orina sagittaria* (Sollas).CMFRI-.S.24.Mandapam (Palk Bay).
 25. *Damiria simplex* Keller. CMFRI - S. 25.Hare Island (Gulf of Mannar).
 26. *Petrosia testudinaria* (Lamarck).CMFRI - S. 26. Tuticorin(Gulf of Mannar); Mandapam
 (Palk Bay).
 27. *P.similis* Ridley & Dendy. CMFRI - S. 27.Hare Island (Gulf of Mannar).
 28. *P. nigricans* Lindgren.CMFRI - S. 28. Mahe Island (Seychelles).

FAMILY CALLYSPONGIIDAE

29. *Callyspongia diffusa* (Ridley).CMFRI - S. 29. Pamban (Palk Bay); Krusadai Island
 (Gulf of Mannar).
 30. *C. fibrosa* (Ridley & Dendy) .CMFRI - S. 30 Dhanushkodi (Gulf of Mannar).

ORDER POECILOSCLERIDA

FAMILY PHORBASIDAE

31. *Echinodictyum clathratum* Dendy.CMFRI - S. 31.Vedalai (Gulf of Mannar); Mandapam
 (Palk Bay); Mahe Island (Seychelles).
 32. *E. gorgonoides* Dendy. CMFRI - S. 32.CMFRI jetty (Gulf of Mannar);Rameswaram Island
 (Palk Bay).

33. *Damiriana Schmidti* (Ridley).CMFRI - S. 33. Hare Island (Gulf of Mannar);Rameswaram Island (Palk Bay); Mahe Island (Seychelles).

FAMILY COELOSPHAERIDAE

34. *Oceanapia* sp. CMFRI - S. 34. Mahe Island (Seychelles).

35. *Siderodermella navicelligera* (Ridley& Dendy).CMFRI - S. 35. Galaxea Reef,Hare Island (Gulf of Mannar); Mandapam (Palk Bay).

FAMILY AGELASIDAE

36. *Agelas ceylonica* Dendy.CMFRI - S. 36, Hare Island (Gulf of Mannar).

37. *Scopalina* sp. CMFRI - S. 37.Mandapam (Gulf of Mannar).

FAMILY PLOCAMIIDAE

38. *Plocamia manaarensis* (Carter). CMFRI - S. 38.Thiruchendur (Gulf of Mannar).

FAMILY CYAMONIDAE

39. *Cyamon vickersi* (Bowerbank). CMFRI - S. 39. Mahe Island (Seychelles).

FAMILY MYXILLIDAE

40. *Myxilla arenaria* Dendy.CMFRI - S. 40. Tuticorin (Gulf of Mannar); Kovalam (Arabian Sea).

41. *M. dendyi* Burton. CMFRI - S. 41.Mahe Island (Seychelles).

42. *Hymedesmia mertoni* Hentschel.CMFRI - S. 42.Galaxea Reef, Hare Island (Gulf of Mannar); Mandapm (Palk Bay).

FAMILY TEDANIIDAE

43. *Tedania anhelans* (Lieberkuhn). CMFRI - S. 43.Mandapam (Palk Bay);Kovalam (Arabian Sea); Mahe Island (Seychelles).

44. *Acarnus thielei* Levi. CMFRI - S. 44.Thangachimadam (Palk Bay).

45. *Acanthacarnus souriei* Levi. CMFRI - S. 45.Mandapam (Palk Bay);Mandapam(Gulf of Mannar); Mahe Island (Seychelles).

46. *Lissodendoryx sinensis* Brondsted. CMFRI - S. 46.Tuticorin (Gulf of Mannar).

47. *L. balanophilus* Annandale. CMFRI - S. 47.Mandapam (Gulf of Mannar).

48. *L. massalis* (Dendy). CMFRI - S. 48. Mahe Island (Seychelles).

FAMILY PSAMMASCIDAE

49. *Desmapsamma anchorata* (Carter). CMFRI - S. 49. Vedalai (Gulf of Mannar).
 50. *Psammochela fibrosa* (Ridley). CMFRI - S. 50. Rameswaram Island, Veerapandyapatnam, Thiruchendur (Gulf of Mannar).

FAMILY RASPAILIIDAE

51. *Raspailia hornelli* Dendy. CMFRI - S. 51. Tuticorin (Gulf of Mannar).
 52. *Aulospongia tubulatus* (Bowerbank). CMFRI - S. 52. Mandapam (Palk Bay); Tuticorin, Rameswaram island (Gulf of Mannar); Waltair (Bay of Bengal).
 53. *Rhabderemia indica* Dendy. CMFRI - S. 53. Mandapam (Palk Bay).
 54. *Endectyon fruticosa* (Dendy). CMFRI - S. 54. Rameswaram Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Waltair (Bay of Bengal).
 55. *Endectyon* sp. CMFRI - S. 55. Mandapam (Palk Bay); Thiruchendur (Gulf of Mannar).

FAMILY MICROCIONIDAE

56. *Microciona aceratoobtusa* Carter. CMFRI - S. 56. Mandapam (Palk Bay); Mandapam (Gulf of Mannar).
 57. *M. toxifera* (Hentschel). CMFRI - S. 57. Rameswaram Island (Palk Bay); Mandapam (Gulf of Mannar).
 58. *Microciona* sp. CMFRI - S. 58. Mandapam (Palk Bay).

FAMILY OPHLITASPONGIIDAE

59. *Ophlitaspongia rimosa* (Ridley). CMFRI - S. 59. Hare Island, Krusadai Island (Gulf of Mannar).
 60. *Clathria frondifera* (Bowerbank). CMFRI - S. 60. Mandapam (Palk Bay); Mahe Island (Seychelles).
 61. *C. procera* (Ridley). CMFRI - S. 61. Rameswaram Island, Tuticorin (Gulf of Mannar); Rameswaram Island (Palk Bay); Mahe Island (Seychelles).
 62. *C. indica* Dendy. CMFRI - S. 62. Tuticorin (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Cochin (Arabian Sea).
 63. *Mycale grandis* Gray. CMFRI - S. 63. Tuticorin (Gulf of Mannar); Mahe Island (Seychelles).
 64. *M. graveleyi* Burton. CMFRI - S. 64. Pamban (Palk Bay); Krusadai Island, Hare Island (Gulf of Mannar); Kovalam (Arabian Sea); Andamans.
 65. *M. mytilorum* Annandale. CMFRI - S. 65. Kovalam (Arabian Sea).

66. *M. tenuispiculata* (Dendy). CMFRI - S. 66. Vedalai (Gulf of Mannar).
 67. *M. spongiosa* (Dendy). CMFRI - S. 67. Mahe Island (Seychelles).
 68. *Mycale* Sp. CMFRI - S. 68. Mahe Island (Seychelles).
 69. *Mycalecarmia monanchorata* (Burton & Rao). CMFRI - S. 69. Pamban (Palk Bay); Tuticorin (Gulf of Mannar).
 70. *Carmia sulevoidea* (Sollas). CMFRI - S. 70. Mandapam (Palk Bay).
 71. *Zygomycala parishii* (Bowerbank). CMFRI - S. 71. Tuticorin (Gulf of Mannar); Rameswaram Island (Palk Bay); Quilon (Arabian Sea); Port Okha (Gulf of Kutch); Mahe Island (Seychelles).
 72. *Echinocalina glabra* (Ridley & Dendy). CMFRI - S. 72. Andamans.

FAMILY AMPHILECTIDAE

73. *Toxemna tubulata* (Dendy). CMFRI - S. 73. Mandapam (Palk Bay); Mahe Island (Seychelles).
 74. *Biemna fortis* (Topsent). CMFRI - S. 74. Rameswaram Island (Gulf of Mannar).
 75. *Biemna* sp. CMFRI - S. 75. Tuticorin (Gulf of Mannar).
 76. *Biemna variantia* (Bowerbank). CMFRI - S. 76. Mahe Island (Seychelles).
 77. *Tylodesma truncata* (Hentschel). CMFRI - S. 77. Mahe Island (Seychelles).

ORDER HALICHONDRIDA

FAMILY AXINELLIDAE

78. *Axinella carteri* (Dendy). CMFRI - S. 78. Hare Island (Gulf of Mannar); Mahe Island (Seychelles).
 79. *A. donnani* (Bowerbank). CMFRI - S. 79. Rameswaram (Palk Bay); Rameswaram Island, Tuticorin, Thiruchendur (Gulf of Mannar); Cape Comorin, Mangalore (Arabian sea).
 80. *A. tenuidigitata* Dendy. CMFRI - S. 80. Rameswaram Island (Gulf of Mannar); Pamban (Palk Bay).
 81. *A. symmetrica* Dendy. CMFRI - S. 81. Tuticorin (Gulf of Mannar).
 82. *A. agariciformis* (Dendy). CMFRI - S. 82. Rameswaram Island (Palk Bay); Rameswaram Island (Gulf of Mannar).
 83. *Axinella* sp. CMFRI - S. 83. Shingle Island, Hare Island (Gulf of Mannar).
 84. *Axinella* sp. CMFRI - S. 84. Hare Island (Gulf of Mannar).
 85. *Axinella* sp. CMFRI - S. 85. Mahe Island (Seychelles).
 86. *Axinella* sp. CMFRI - S. 86. Mahe Island (Seychelles).
 87. *Phakettia ridleyi* (dendy). CMFRI - S. 87. Thiruchendur (Gulf of Mannar).
 88. *Phycopsis* sp. CMFRI - S. 88. Mandapam (Palk Bay); Hare Island, Krusadai Island (Gulf of Mannar).

89. *Phycopsis* sp. CMFRI- S. 89. Mahe Island (Seychelles).
 90. *Higginsia mixta* (Hentschel). CMFRI - S. 90. Rameswaram Island (Gulf of Mannar).
 91. *H. higgini* Dendy. CMFRI - S. 91. Hare Island, Krusadai Island, (Gulf of Mannar); Rameswaram Island (Palk Bay).
 92. *Myrmekioderma granulata* (Esper). CMFRI - S. 92. Mandapam (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).

FAMILY HYMENIACIDONIDAE

93. *Acanthella cavernosa* Dendy. CMFRI - S. 93. Minicoy (Laccadives); Mahe Island (Seychelles)
 94. *A. elongata* (Dendy). CMFRI - S. 94. Tuticorin (Gulf of Mannar).

ORDER HADROMERIDA FAMILY SPIRASTRELLIDAE

95. *Spirastrella coccinea* (Duchassaing & Michelotti). CMFRI - S. 95. Hare Island, Krusadai Island (Gulf of Mannar); Rameswaram Island (Palk Bay).
 96. *S. cuspidifera* (Lamarck). CMFRI - S. 96. Galaxea reef (Gulf of Mannar); Rameswaram (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).
 97. *S. inconstans* (Dendy). CMFRI - S. 97. Galaxea reef, Krusadai Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Minicoy (Laccadives); Kovalam (Arabian Sea); Mahe Island (Seychelles).
 98. *S. Pachyspira Levi*. CMFRI - S. 98. Hare Island, Krusadai Island, Manauli Island (Gulf of Mannar); Mahe Island (Seychelles).
 99. *S. aurivilli Lindgren*. CMFRI - S. 99. Pamban (Gulf of Mannar); Mandapam (Palk Bay).
 100. *Sigmosceptrella laevis* (Lindgren). CMFRI - S. 100. Mahe Island (Seychelles).
 101. *Timea stellata* (Bowerbank). CMFRI - S. 101. Rameswaram Island (Palk Bay); Hare Island (Gulf of Mannar); Mahe Island (Seychelles).
 102. *T. stelligera* (Carter). CMFRI - S. 102. Rameswaram Island (Palk Bay); Pulli Island (Gulf of Mannar); Mahe Island (Seychelles).
 103. *T. stellivarians* (Carter). CMFRI - S. 103. Rameswaram (Palk Bay); Mahe Island (Seychelles).

FAMILY SUBERITIDAE

104. *Suberites carnosus* (Johnston). CMFRI - S. 104. Mandapam (Palk Bay); Tuticorin (Gulf of Mannar); Mahe Island (Seychelles).
 105. *S. tylobtusa Levi*. CMFRI - S. 105. Galaxea Reef (Gulf of Mannar).

106. *Laxosuberites cruciatus* (Dendy). CMFRI - S. 106. Mandapam (Palk Bay); Hare Island, Pulli Island (Gulf of Mannar); Kovalam, Quilon (Arabian Sea).
107. *Pseudosuberites andrewsi* Kirkpatrick. CMFRI - S. 107. Hare Island (Gulf of Mannar); Pamban (Palk Bay); Mahe Island (Seychelles).
108. *Aaptos aaptos* (Schmidt). CMFRI - S. 108. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).

FAMILY PLACOSPONGIIDAE

109. *Placospongia carinata* (Bowerbank). CMFRI - S. 109. Mandapam (Palk Bay); Manauli Island (Gulf of Mannar); Kovalam (Arabian Sea); Minicoy (Laccadives); Andamans.

FAMILY CLIONIDAE

110. *Amorphinopsis excavans* Carter. CMFRI - S. 110. Galaxea Reef (Gulf of Mannar); Pamban (Palk Bay); Mahe Island (Seychelles).
111. *Cliona celata* Grant. CMFRI - S. 111. CMFRI Jetty (Gulf of Mannar); Raman Point (Palk Bay); Mahe Island (Seychelles).
112. *C. vastifica* Hancock. CMFRI - S. 112. Hare Island, Tuticorin (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea); Mahe Island (Seychelles).
113. *C. ensifera* Sollas. CMFRI - S. 113. Hare Island (Gulf of Mannar).
114. *C. mucronata* Sollas. CMFRI - S. 114. Galaxea Reef (Gulf of Mannar); Andamans.
115. *C. orientalis* Thiele. CMFRI - S. 115. Krusadai Island, Hare Island (Gulf of Mannar).
116. *C. carpenteri* Hancock. CMFRI - S. 116. Krusadai Island (Gulf of Mannar).
117. *C. viridis* Schmidt. CMFRI - S. 117. Vedalai (Gulf of Mannar).
118. *Thoosa armata* Topsent. CMFRI - S. 118. Mahe Island (Seychelles).

ORDER EPIPOLASIDA

FAMILY JASPIDAE

119. *Prostylyssa foetida* (Dendy). CMFRI - S. 119. Mandapam (Palk Bay); Vedalai (Gulf of Mannar) Bombay (Arabian Sea); Minicoy (Laccadives).
120. *P. oculata* (Kieschnick). CMFRI - S. 120. Hare Island (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).
121. *Topsentia nigrocutis* (Carter). CMFRI - S. 121. Vedalai (Gulf of Mannar).
122. *Stellettinopsis simplex* Carter. CMFRI - S. 122. Pulli Island, Manauli Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Minicoy (Laccadives).

123. *Jaspis penetrans* (Carter). CMFRI - S. 123. Galaxea Reef (Gulf of Mannar); Mahe Island (Seychelles).

124. *Zaplethea digonoxea* ssp. *diastra* Vacelet & Vasseur. CMFRI - S. 124. Hare Island, Pulli Island, Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).

FAMILY SOLLASELLIDAE

125. *Epipolasis topsenti* (Dendy). CMFRI - S. 125. Rameswaram (Palk Bay).

126. *E. Salomonensis* (Dendy). CMFRI - S. 126. Mahe Island (Seychelles).

FAMILY TETHYIDAE

127. *Tethya robusta* Bowerbank. CMFRI - S. 127. Rameswaram Island, Pulli Island Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea); Minicoy (Laccadives).

128. *T. diploderma* Schmidt. CMFRI - S. 128. Mandapam (Palk Bay); Kovalam (Arabian Sea); Mahe Island (Seychelles).

129. *T. japonica* Sollas. CMFRI - S. 129. Mandapam (Palk Bay); Mahe Island (Seychelles).

130. *Tethytimea repens* (Schmidt). CMFRI - S. 130. Galaxea Reef (Gulf of Mannar); Kovalam (Arabian Sea).

ORDER CHORISTIDA

FAMILY ANCORINIDAE

131. *Ecionemia acervus* Bowerbank. CMFRI - S. 131. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Minicoy (Laccadives).

132. *E. laviniensis* Dendy. CMFRI - S. 132. Mahe Island (Seychelles).

133. *Myriastras purpurea* (Ridley). CMFRI - S. 133. Mandapam (Palk Bay); Pulli Island (Gulf of Mannar); Mahe Island (Seychelles).

134. *Aurora globostellata* (Carter). CMFRI - S. 134. Rameswaram Island (Gulf of Mannar).

135. *A. providentiae* Dendy. CMFRI - S. 135. Mandapam (Palk Bay); Hare Island, Pulli Island (Gulf of Mannar).

FAMILY GEODIIDAE

136. *Geodia perarmata* Bowerbank. CMFRI - S. 136. Krusadai Island, Hare Island (Gulf of Mannar); Mandapam (Palk Bay).

137. *G. lindgreni* (Lendenfeld). CMFRI - S. 137. Galaxea Reef (Gulf of Mannar); Rameswaram (Palk Bay); Mahe Island (Seychelles).

FAMILY CRANIELLIDAE

138. *Cinachyra cavernosa* (Lamarck). CMFRI - S. 138. Mandapam (Gulf of Mannar); Mahe Island (Seychelles).
139. *Paratetilla bacca* (Selenka). CMFRI - S. 139. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Mahe Island(Seychelles).

FAMILY KALIAPSIDAE

140. *Lophacanthus rhabdophorus* Hentschel. CMFRI - S. 140. Dhanushkodi (Palk Bay); Galaxea Reef (Gulf of Mannar).
141. *Discodermia* sp. CMFRI - S. 141. Mahe Island (Seychelles).

ORDER CARNOSIDA

FAMILY HALINIDAE

142. *Halina plicata* (Schmidt). CMFRI - S. 142. Mahe Island (Seychelles).
143. *Dercitopsis ceylonica* Dendy. CMFRI - S. 143. Galaxea Reef (Gulf of Mannar).
144. *D. minor* Dendy . CMFRI - S. 144. HareIsland, Manauli Island (Gulf of Mannar); Mandapam (Palk Bay).
145. *Plakortis simplex* Schulze. CMFRI - S. 145. Mahe Island (Seychelles).
146. *Pachamphilla dendyi* Hentschel. CMFRI - S. 146. Mandapam (Palk Bay); Galaxea Reef (Gulf of Mannar).
147. *Corticium candelabrum* Schmidt. CMFRI - S. 147. Mandapam (PalkBay).
148. *Samus anonyma* Gray. CMFRI - S. 148. Mahe Island (Seychelles).
149. *Plakina monolopha* Schulze. CMFRI - S. 149. Rameswaram Island (Palk Bay).
150. *P. trilopha* Schulze. CMFRI - S. 150. Galaxea Reef (Gulf of Mannar).

FAMILY CHONDRILLIDAE

151. *Chondrilla nucula* Schmidt. CMFRI. S. 151. Mahe Island (Seychelles).
152. *C. sacciformis* Carter. CMFRI - S. 152. Mandapam (Palk Bay).

CATALOGUE OF CORALS IN THE REFERENCE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

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III. CATALOGUE OF CORALS

PHYLUM COELENTERATA

SUBPHYLUM CNIDARIA

CLASS ANTHOZOA

SUBCLASS ZOANTHARIA

ORDER SCLERACTINIA

FAMILY THAMNASTERIIDAE

1. *Psammocora contigua* (Esper). CMFRI - C. 1. Krusadai Island (Gulf of Mannar); Minicoy (Laccadives).
2. *P. (Stephanaria) exesa* (Dana). CMFRI - C. 2. Minicoy (Laccadives).
3. *P. (Plesioseris) haimeana* Milne Edwards and Haime. CMFRI - C. 3. Minicoy (Laccadives).

FAMILY POCILLOPORIDAE

4. *Stylophora pistillata* (Esper). CMFRI - C. 4. Seychelles.
5. *S. mordax* (Dana). CMFRI - C. 5. Chetlat, Minicoy (Laccadives).
6. *Pocillopora damicornis* (Linnaeus). CMFRI - C. 6. Mandapam (Palk Bay and Gulf of Mannar); Andamans; Chetlat, Minicoy (Laccadives).
7. *P. brevicornis* (Lamarck). CMFRI - C. 7. Andamans.
8. *P. danae* Verrill. CMFRI - C. 8. Manauli Island (Gulf of Mannar).
9. *P. eydouxi* Milne Edwards and Haime. CMFRI - C. 9. Gulf of Mannar; Minicoy (Laccadives).
10. *P. ligulata* Dana. CMFRI - C. 10. Minicoy (Laccadives).
11. *P. verrucosa* (Ellis and Solander). CMFRI - C. 11. Andamans; Minicoy (Laccadives).

FAMILY ACROPORIDAE

12. *Acropora abrotanoides* (Lamarck). CMFRI - C. 12. Minicoy (Laccadives).
13. *A. assimilis* (Brook). CMFRI - C. 13. Andamans.
14. *A. ceylonica* (Ortmann). CMFRI - C. 14. Manauli Island (Gulf of Mannar).
15. *A. conferta* (Quelch). CMFRI - C. 15. Minicoy (Laccadives).

16. *A. corymbosa* (Lamarck). CMFRI - C. 16. Mandapam (Palk Bay).
17. *A. digitifera* (Dana). CMFRI - C. 17. Mandapam (Palk Bay).
18. *A. diversa* (Brook). CMFRI - C. 18. Krusadai (Gulf of Mannar); Andamans.
19. *A. echinata* (Dana). CMFRI - C. 19. Minicoy (Laccadives).
20. *A. efflorescens* (Dana). CMFRI - C. 20. Minicoy (Laccadives).
21. *A. erythraea* (Klunzinger). CMFRI - C. 21. Krusadai Island, Manauli Island (Gulf of Mannar).
22. *A. exigua* (Dana). CMFRI - C. 22. Mandapam (Palk Bay).
23. *A. formosa* (Dana). CMFRI - C. 23. Mandapam (Palk Bay); Minicoy (Laccadives); Andamans.
24. *A. forskali* (Ehrenberg). CMFRI - C. 24. Minicoy (Laccadives).
25. *A. haimeii* (Milne Edwards and Haime). CMFRI - C. 25. Mandapam (Palk Bay); Minicoy (Laccadives).
26. *A. hebes* (Dana). CMFRI - C. 26. Andamans.
27. *A. hemprichi* (Ehrenberg). CMFRI - C. 27. Minicoy (Laccadives).
28. *A. humilis* (Dana). CMFRI - C. 28. Krusadai Island, Hare Island (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Minicoy (Laccadives).
29. *A. hyacinthus* (Dana). CMFRI - C. 29. Mandapam (Palk Bay); Andamans.
30. *A. indica* (Brook). CMFRI - C. 30. Mandapam (Palk Bay); Manauli Island; Rameswaram Island; Minicoy (Laccadives).
31. *A. intermedia* (Brook). CMFRI - C. 31. Mandapam (Palk Bay); Minicoy (Laccadives).
32. *A. monticulosa* (Bruggemann). CMFRI - C. 32. Minicoy (Laccadives).
33. *A. multicaulis* (Brook). CMFRI - C. 33. Pulli Island (Gulf of Mannar).
34. *A. multiformis* (Ortmann). CMFRI - C. 34. Manauli Island (Gulf of Mannar).
35. *A. nobilis* (Dana). CMFRI - C. 35. Hare Island (Gulf of Mannar); Andamans.
36. *A. obscura* (Brook). CMFRI - C. 36. Mandapam (Palk Bay).
37. *A. palifera* (Lamarck). CMFRI - C. 37. Minicoy (Laccadives).
38. *A. pharaonis* (Milne Edwards and Haime). CMFRI - C. 38. Minicoy (Laccadives).
39. *A. polymorpha* (Brook). CMFRI - C. 39. Mandapam (Palk Bay).
40. *A. procumbens* (Brook). CMFRI - C. 40. Andamans.
41. *A. rambleri* (Basset-Smith). CMFRI - C. 41. Minicoy (Laccadives).
42. *A. reticulata* (Brook). CMFRI - C. 42. Minicoy (Laccadives).
43. *A. spicifera* (Dana). CMFRI - C. 43. Krusadai Island (Gulf of Mannar).
44. *A. squamosa* (Brook). CMFRI - C. 44. Mandapam (Palk Bay).
45. *A. squarrosa* (Ehrenberg). CMFRI - C. 45. Minicoy (Laccadives).
46. *A. surculosa* (Dana). CMFRI - C. 46. Manauli Island (Gulf of Mannar).

47. *A. thurstoni* (Brook). CMFRI - C. 47. Mandapam (Palk Bay).
48. *A. variabilis* (Klunzinger). CMFRI - C. 48. Andamans.
49. *A. valida* (Dana). CMFRI - C. 49. Hare Island (Gulf of Mannar).
50. *Acropora* sp. 1. CMFRI - C. 50. Mandapam(Palk Bay).
51. *Acropora* sp. 2. CMFRI - C. 51. Andamans.
52. *Acropora syringodes* (Brook). CMFRI - C. 52. Andamans.
53. *Montipora composita* Crossland. CMFRI - C. 53. Mandapam (Palk Bay).
54. *M. digitata* (Dana). CMFRI - C. 54. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar); Andamans.
55. *M. divaricata* (Bruggemann). CMFRI - C. 55. Mandapam (Palk Bay and Gulf of Mannar).
56. *M. edwardsi* Bernard. CMFRI - C. 56. Mandapam (Palk Bay).
57. *M. elscheneri* Vaughan. CMFRI - C. 57. Hare Island (Gulf of Mannar).
58. *M. explanata* Bruggmann. CMFRI - C. 58. Mandapam (Palk Bay).
59. *M. exserta* Quelch. CMFRI - C. 59. Mandapam (Palk Bay).
60. *M. foliosa* (Pallas). CMFRI - C. 60. Palk Bay and Gulf of Mannar around Mandapam.
61. *M. granulosa* Bernard. CMFRI - C. 61. Manauli Island (Gulf of Mannar).
62. *M. informis* Bernard. CMFRI - C. 62. Mandapam (Gulf of Mannar).
63. *M. monasteriata* (Forskal). CMFRI - C. 63. Mandapam (Gulf of Mannar).
64. *M. spumosa* (Lamarck). CMFRI - C. 64. Manauli Island (Gulf of Mannar).
65. *M. subtilis* Bernard. CMFRI - C. 65. Manauli Island (Gulf of Mannar).
66. *M. tuberculosa* (Lamarck). CMFRI - C. 66. Manauli Island (Gulf of Mannar).
67. *M. turgescens* Bernard. CMFRI - C. 67. Manauli Island (Gulf of Mannar).
68. *M. venosa* (Ehrenberg). CMFRI - C. 68. Krusadai Island (Gulf of Mannar).
69. *M. verrilli* Vaughan. CMFRI - C. 69. Mandapam (Palk Bay and Gulf of Mannar).
70. *M. verrucosa* (Lamarck). CMFRI - C. 70. Manauli Island (Gulf of Mannar).

FAMILY AGARICIIDAE

71. *Pavona clavus* (Dana). CMFRI - C. 71. Kavaratti Atoll(Laccadives).
72. *P. decussata* (Dana). CMFRI - C. 72. Manauli Island (Gulf of Mannar).
73. *P. divaricata* Lamarck . CMFRI - C. 73. Krusadai Island (Gulf of Mannar).
74. *P. explanulata* Lamarck. CMFRI - C. 74. Andamans.
75. *P. maldivensis* (Gardiner). CMFRI - C. 75. Krusadai Island (Gulf of Mannar).

76. *P. varians* (Verrill). CMFRI - C. 76. Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Chetlat Island (Laccadives).
77. *Pachyseris rugosa* (Lamarck). CMFRI - C. 77. Manauli Island (Gulf of Mannar).

FAMILY SIDERASTERIDAE

78. *Siderastrea savignyana* Milne Edwards and Haime. CMFRI - C. 78. Mandapam (Palk Bay and Gulf of Mannar).
79. *S. radians* (Pallas). CMFRI - C. 79. Pulli Island (Gulf of Mannar); Mandapam (Palk Bay).
80. *Coscinaraea monile* (Forsk.) CMFRI - C. 80. Manauli Island (Gulf of Mannar); Mandapam (Palk Bay).

FAMILY FUNGIIDAE

81. *Cycloseris cyclolites* (Lamarck). CMFRI - C. 81. Tuticorin (Gulf of Mannar).
82. *C. sinensis* Milne Edwards and Haime. CMFRI - C. 82. Mangalore (Arabian Sea).
83. *C. somervillei* (Gardiner). CMFRI - C. 83. Minicoy (Laccadives).
84. *Fungia echinata* (Pallas). CMFRI - C. 84. Andamans.
85. *F. fungites* (Linnaeus). CMFRI - C. 85. Chetlat (Laccadives).
86. *F. horrida* Dana. CMFRI - C. 86. Andamans.
87. *F. scutaria* Lamarck. CMFRI - C. 87. Chetlat, Minicoy (Laccadives).
88. *Podabacia crustacea* (Pallas). CMFRI - C. 88. Minicoy (Laccadives).

FAMILY PORITIDAE

89. *Goniopora djiboutiensis* Vaughan. CMFRI - C. 89. Manauli Island (Gulf of Mannar).
90. *G. duofaciata* Thiel. CMFRI - C. 90. Mandapam (Palk Bay).
91. *Goniopora* sp. cf. minor Crossland. CMFRI - C. 91. Minicoy (Laccadives).
92. *G. stokesi* Milne Edwards and Haime. CMFRI - C. 92. Mandapam (Palk Bay); Minicoy (Laccadives).
93. *Alveopora* sp. CMFRI - C. 93. Seychelles.
94. *Porites alveolata* Milne Edwards and Haime. CMFRI - C. 94. Manauli Island (Gulf of Mannar).
95. *P. andrewsi* Vaughan. CMFRI - C. 95. Minicoy (Laccadives).
96. *P. compressa* Dana. CMFRI - C. 96. Krusadai Island (Gulf of Mannar).

97. *P. (Synarea) convexa* Verrill. CMFRI - C. 97. Manauli Island (Gulf of Mannar).
98. *P. fragosa* Dana. CMFRI - C. 98. Manauli Island (Gulf of Mannar).
99. *P. lichen* Dana. CMFRI - 99. Mandapam (Palk Bay and Gulf of Mannar).
100. *P. lutea* Milne Edwards and Haime. CMFRI - C. 100. Mandapam (Palk Bay).
101. *P. somaliensis* Gravier. CMFRI - C. 101. Manauli Island (Gulf of Mannar); Minicoy (Laccadives).
102. *P. solida* (Forsk.) CMFRI - C. 102. Hare Island (Gulf of Mannar); Tuticorin (Gulf of Mannar); Minicoy (Laccadives); Andamans.
103. *Porites* sp. CMFRI - C. 103. Mandapam (Palk Bay).

FAMILY FAVIIDAE

104. *Plesiastrea versipora* (Lamarck). CMFRI - C. 104. Rameswaram Island (Palk Bay).
105. *Favia fava* (Forsk.) CMFRI - C. 105. Mandapam (Palk Bay); Minicoy (Laccadives).
106. *F. pallida* (Dana). CMFRI - C. 106. Mandapam (Palk Bay); Tuticorin (Gulf of Mannar); Minicoy, Chetlat (Laccadives); Andamans.
107. *F. speciosa* (Dana). CMFRI - C. 107. Mandapam (Palk Bay).
108. *F. stelligera* (Dana). CMFRI - C. 108. Manauli Island (Gulf of Mannar).
109. *F. valenciennesii* (Milne Edwards and Haime). CMFRI - C. 109. Mandapam (Palk Bay); Pulli Island (Gulf of Mannar).
110. *Favites abdiata* (Ellis and Solander). CMFRI - C. 110. Mandapam (Palk Bay); (Gulf of Mannar); Minicoy (Laccadives).
111. *F. halicora* (Ehrenberg). CMFRI - C. 111. Mandapam (Palk Bay); Minicoy (Laccadives).
112. *F. melicerum* (Ehrenberg). CMFRI - C. 112. Mandapam (Gulf of Mannar); Minicoy (Laccadives).
113. *F. pentagona* (Esper). CMFRI - C. 113. Manauli Island (Gulf of Mannar).
114. *F. virens* (Dana). CMFRI - C. 114. Mandapam (Palk Bay).
115. *Goniastrea incrustans* Duncan. CMFRI - 115. Manauli Island (Gulf of Mannar).
116. *G. pectinata* (Ehrenberg). CMFRI - C. 116. Mandapam (Palk Bay and Gulf of Mannar).
117. *G. retiformis* (Lamarck). CMFRI - C. 117. Mandapam (Palk Bay); Minicoy (Laccadives).
118. *Platygyra lamellina* (Ehrenberg). CMFRI - C. 118. Mandapam (Palk Bay and Gulf of Mannar); Chetlat, Minicoy (Laccadives); Tuticorin (Gulf of Mannar); Andamans.

119. *Leptoria Phrygia* (Ellis and Solander). CMFRI - C. 119. Krusadai Island (Gulf of Mannar);
Minicoy (Laccadives).
120. *Hydnophora exesa* (Pallas). CMFRI - C. 120. Mandapam (Palk Bay).
121. *H. grandis* Gardiner. CMFRI - C. 121. Mandapam (Palk Bay).
122. *H. microconus* (Lamarck). CMFRI - C. 122. Chetlat (Laccadives); Mandapam (Palk Bay).
123. *Diploastrea heliopora* (Lamarck). CMFRI - C. 123. Minicoy (Laccadives).
124. *Oulastrea crispata* (Lamarck). CMFRI - C. 124. Andamans.
125. *Leptastrea purpurea* (Dana). CMFRI - C. 125. Mandapam (Palk Bay and Gulf of Mannar);
Minicoy (Laccadives).
126. *L. transversa* (Klunzinger). CMFRI - C. 126. Mandapam (Palk Bay and Gulf of Mannar).
127. *Cyphastrea chalcidicum* (Forsk.) CMFRI - C. 127. Mandapam (Palk Bay).
128. *C. microphthalma* (Lamarck). CMFRI - C. 128. Mandapam (Palk Bay).
129. *C. seralia* (Forsk.). CMFRI - C. 129. Mandapam (Palk Bay); Krusadai Island (Gulf of
Mannar).
130. *Echinopora gemmacea* (Lamarck). CMFRI - C. 130. Krusadai Island (Gulf of Mannar).
131. *E. lamellosa* (Esper). CMFRI - C. 131. Manauli Island, Krusadai Island (Gulf of Mannar).

FAMILY RHIZANGIIDAE

132. *Culicia rubeola* (Quoy and Gaimard). CMFRI - C. 132. Hare Island (Gulf of Mannar).
133. *Cladangia exusta* Lutken. CMFRI - C. 133. Cochin (Arabian Sea).

FAMILY OCULINIDAE

134. *Galaxea clavus* (Dana). CMFRI - C. 134. Mandapam (Palk Bay).
135. *G. fascicularis* (Linnaeus). CMFRI - C. 135. Mandapam (Palk Bay); Andamans.
136. *G. hexagonalis* (Milne Edwards and Haime). CMFRI - C. 136. Chetlat, Minicoy (Laccadives).

FAMILY MERULINIDAE

137. *Merulina ampliata* (Ellis and Solander). CMFRI - C. 137. Mandapam (Palk Bay and Gulf of
Mannar); Minicoy (Laccadives).

FAMILY MUSSIDAE

138. *Symphyllia radians* Milne Edwards and Haime. CMFRI - C. 138. Mandapam (Palk Bay).

139. *S. recta* (Dana). CMFRI - C. 139. Mandapam (Palk Bay); Minicoy (Laccadives).

140. *Lobophyllia corymbosa* (Lamarck). CMFRI - C. 140. Minicoy (Laccadives).

FAMILY PECTINIDAE

141. *Mycedium tubifex* (Dana). CMFRI - C. 141. Mandapam (Palk Bay).

FAMILY CARYOPHYLLIIDAE

142. *Paracyathus andersoni* Duncan. CMFRI - C. 142. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar).

143. *P. stokesi* Milne Edwards and Haime. CMFRI - C. 143. Mangalore (Arabian Sea).

144. *Polycyathus verrilli* Duncan. CMFRI - C. 144. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar).

145. *Heterocyathus aequicostatus* Milne Edwards and Haime. CMFRI - C. 145. Tuticorin (Gulf of Mannar); Seychelles.

146. *Euphyllia glabrescens* (Chamisso and Esynhardt). CMFRI - C. 146. Chetlat, Minicoy (Laccadives).

FAMILY DENDROPHYLLIIDAE

147. *Balanophyllia affinis* (Semper). CMFRI - C. 147. Hare Island (Gulf of Mannar).

148. *Endopsammia phillippinensis* Milne Edwards and Haime. CMFRI - C. 148. Manuli Island (Gulf of Mannar).

149. *Heteropsammia michelinii* Milne Edwards and Haime. CMFRI - C. 149. Tuticorin (Gulf of Mannar); Seychelles.

150. *Tubastrea aurea* Quoy and Gaimard. CMFRI - C. 150. Manauli Island, Hare Island (Gulf of Mannar).

151. *Dendrophyllia robusta* (Bourne). CMFRI - C. 151. Manauli Island (Gulf of Mannar).

152. *Dendrophyllia* sp. CMFRI - C. 152. Arabian Sea (West coast of Kerala).

153. *Turbinaria crater* (Pallas). CMFRI - C. 153. Krusadai Island (Gulf of Mannar).

154. *T. mesenterina* (Lamarck). CMFRI - C. 154. Manauli Island (Gulf of Mannar).

155. *T. peltata* (Esper). CMFRI - C. 155. Mandapam (Palk Bay and Gulf of Mannar); Rameswaram Island (Palk Bay).

156. *T. quincuncialis* Ortmann. CMFRI - C. 156. Tuticorin (Gulf of Mannar).

SUBCLASS ALCYONARIA
ORDER COENOTHECALICA
FAMILY HELIOPORIDAE

157. *Heliopora coerulea* (Pallas). CMFRI - C. 157. Minicoy (Laccadives).

CLASS HYDROZOA
ORDER MILLEPORINA
FAMILY MILLEPORIDAE

158. *Millepora dichotoma* (Forsk.) CMFRI – C. 158. Minicoy (Laccadives).

159. *M. platyphyllia* Hemprich and Ehrenberg. CMFRI - C. 159. Minicoy (Laccadives).

160. *M. tenera* Boschma. CMFRI - C. 160. Minicoy (Laccadives).

CATALOGUE OF POLYCHAETES IN THE REFERENCE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

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IV. CATALOGUE OF POLYCHAETES

PHYLUM ANNELIDA
 CLASS POLYCHAETA
 FAMILY APHRODITIDAE

1. *Aphrogenia alba* Kinberg. CMFRI - AN. 1. Hare Island (Gulf of Mannar).
2. *Pontogenia indica* Grube. CMFRI - AN. 2. Manauli Island (Gulf of Mannar); Piroton Island (Gulf of Kutch).

FAMILY POLYNOIDAE

3. *Iphione muricata* (Savigny). CMFRI - AN. 3. Mandapam (Gulf of Mannar).
4. *Lepidonotus carinulatus* Grube. CMFRI - AN. 4. Gulf of Mannar.
5. *L. tenuisetosus* (Gravier). CMFRI - AN. 5. Mayabandar (Andamans).
6. *Thormora jukesii* Baird. CMFRI - AN. 6. Car Nicobar.
7. *Gastrolepida clavigera* Schmarda. CMFRI - AN. 7. Gulf of Mannar; Kalapahad (Andamans).
8. *Lepidasthenia ohshimai* Okuda. CMFRI - AN. 8. Palk Bay.
9. *Harmothoe imbricata* (Linnaeus). CMFRI - AN. 9. Port Blair (Andamans).
10. *H. ampullifera* (Grube). CMFRI - AN. 10. Palk Bay; Pamban (Gulf of Mannar).
11. *H. minuta* (Potts). CMFRI - AN. 11. Mandapam (Gulf of Mannar).
12. *Gattyana deludens* Fauvel. CMFRI - AN. 12. Palk Bay.
13. *Scalissetosus longicirrus* (Schmarda). CMFRI - AN. 13. Gulf of Mannar.

FAMILY SIGALIONIDAE

14. *Sthenalais boa* (Johnston). CMFRI - AN. 14. Palk Bay.
15. *Leanira japonica* Mc Intosh. CMFRI - AN. 15. Palk Bay; Andamans.

FAMILY CHRYSOPETALIDAE

16. *Chrysopetalum ehlersi* Gravier. CMFRI - AN. 16. Vedalai (Gulf of Mannar).
17. *Bhawania goodie* Webster. CMFRI - AN. 17. Port Blair (Andamans).

FAMILY AMPHINOMIDAE

18. *Amphinome rostrata* (Pallas). CMFRI - AN. 18. Minicoy (Laccadives).

19. *Eurythoe complanata* (Pallas). CMFRI - AN. 19. Gulf of Mannar; Ayi, Rameswaram (Palk Bay); Car Nicobar; Quilon (Arabian Sea).
20. *E. parvecarunculata* Horst. CMFRI - AN. 20. Malacca Bay (Andamans).
21. *Chloeia flava pulchella* Baird. CMFRI - AN. 21. Andamans.
22. *C. rosea potts*. CMFRI - AN. 22. Gulf of Mannar.

FAMILY EUPHROSINIDAE

23. *Euphrosyne foliosa* Aud. & M. Edwards. CMFRI - AN. 23. Port Blair (Andamans).

FAMILY PHYLLODOCIDAE

24. *Anaitides madeirensis* (Langerhans). CMFRI - AN. 24. Gulf of Mannar.
25. *Phyllodoce fristedti* Bergstrom. CMFRI - AN. 25. Car Nicobar.
26. *Eulalia viridis* (Linnaeus). CMFRI - AN. 26. Tuticorin (Gulf of Mannar).
27. *Notophyllum splendens* (Schmarda). CMFRI - AN. 27. Manauli Island (Gulf of Mannar).

FAMILY LOPADORRHYNCHIDAE

28. *Lopadorrhynchus uncinatus* Fauvel. CMFRI - AN. 28. R. V. KALAVA Stn. 426 10° 02' N., 73° 40' E.
29. *Pelagobia longicirrata* Greef. CMFRI - AN. 29. R. V. KALAVA Stn. 426, 10° 02' N., 73° 40' E., Stn. 324, 10° 02' N., 75° 10' E.

FAMILY ALCIOPIDAE

30. *Vanadis formosa* Claparede. CMFRI - AN. 30. R. V. KALAVA Stn. 435, 10° 40' N., 75° 06' E.
31. *Plotohelmis capitata* (Greef). CMFRI - AN. 31. R. V. VARUNA Stn. 1329, 11° 22' N., 73° 46' E.

FAMILY TYPHLOSCOLECIDAE

32. *Travisiopsis lobifera* Levinsen. CMFRI - AN. 32. R. V. KALAVA Stn. 426, 10° 02' N., 73° 40' E.

FAMILY TOMOPTERIDAE

33. *Tomopteris planktonis* Apstein. CMFRI - AN. 33. R. V. VARUNA Stn. 1329, 10° 22' N., 73° 46' E; R. V. KALAVA Stn. 426, 10° 02' N., 73° 40' E.

FAMILY HESIONIDAE

34. *Hesione pantherina* Risso. CMFRI - AN. 34. Palk Bay.
 35. *H. intertexta* Grube. CMFRI - AN. 35. Port Blair (Andamans).
 36. *Podarke angustifrons* (Grube). CMFRI - AN. 36. Palk Bay; Hare Island (Gulf of Mannar).

FAMILY PILARGIDAE

37. *Sigambra constricta* (Southern). CMFRI - AN. 37. Calicut (Arabian Sea).

FAMILY SYLLIDAE

38. *Syllis gracilis* Grube. CMFRI - AN. 38. Gulf of Mannar.
 39. *Haplosyllis spongicola* (Grube). CMFRI - AN. 39. Palk Bay.
 40. *Typosyllis prolifera* (Krohn). CMFRI - AN. 40. Palk Bay.
 41. *T. krohnii* (Ehlers). CMFRI - AN. 41. Palk Bay.
 42. *T. closterobranchia* (Schmarda). CMFRI - AN. 42. Vedalai (Gulf of Mannar).
 43. *T. exilis*(Gravier). CMFRI - AN. 43. Mandapam (Gulf of Mannar).
 44. *Langerhansia cornuta* (Rathke). CMFRI - AN. 44. Palk Bay; Gulf of Mannar.
 45. *Trypanosyllis zebra*(Grube). CMFRI - AN. 45. Palk Bay.
 46. *Opisthosyllis brunnea* Langerhans. CMFRI - AN. 46. Gulf of Mannar.
 47. *O. longicirrata* Monro. CMFRI - AN. 47. Palk Bay.
 48. *Odontosyllis graveleyi* Fauvel. CMFRI - AN. 48. Gulf of Mannar.
 49. *Autolytus orientalis* Willey. CMFRI - AN. 49. Pamban (Gulf of Mannar).

FAMILY NEREIDAE

50. *Tylonereis bogoyawlenskyi* Fauvel. CMFRI - AN. 50. Palk Bay; Mayabandar (Andamans).
 51. *Leonnatus jousseaumei* Gravier. CMFRI - AN. 51. Palk Bay.
 52. *L. decipens* Fauvel. CMFRI - AN. 52. Rameswaram Road (Gulf of Mannar).
 53. *Dendronereis aestuarina* Southern. CMFRI - AN. 53. Ratnagiri (Arabian Sea).
 54. *Nereis indica* Kinberg. CMFRI - AN. 54. Gulf of Mannar.
 55. *N. coutierei* Gravier. CMFRI - AN. 55. Gulf of Mannar.
 56. *N. zonata persica* Fauvel. CMFRI - AN. 56. Rameswaram Road (Gulf of Mannar).
 57. *N. kauderni* Fauvel. CMFRI - AN. 57. Palk Bay.

58. *N. jacksoni* Kinberg. CMFRI - AN. 58. Palk Bay.
59. *N. heteromorpha* Horst. CMFRI - AN. 59. Palk Bay.
60. *Neanthes capensis* (Willey). CMFRI - AN. 60. Gulf of Mannar.
61. *Ceratonereis burmensis* Monro. CMFRI - AN. 61. Gulf of Mannar.
62. *C. mirabilis* Kinberg. CMFRI - AN. 62. CMFRI Pier (Gulf of Mannar).
63. *Perinereis brevicirris* (Grube). CMFRI - AN. 63. Palk Bay; Mayabandar (Andamans);
Gulf of Mannar.
64. *P. cultrifera typica* Grube. CMFRI - AN. 64. Palk Bay; Gulf of Mannar.
65. *P. cultrifera perspicillata* Grube. CMFRI - AN. 65. Gulf of Mannar.
66. *P. cultrifera helleri* Grube. CMFRI - AN. 66. Gulf of Mannar.
67. *P. albuhitensis* Grube. CMFRI - AN. 67. Mayabandar(Andamans).
68. *P. nigropunctata* Horst. CMFRI - AN. 68. Gulf of Mannar.
69. *P. nuntia brevicirris* (Grube). CMFRI - AN. 69. Palk Bay.
70. *P. nuntia vallata* (Grube). CMFRI - AN. 70. Gulf of Mannar.
71. *P. neocalidonica* Pruvot. CMFRI - AN. 71. Long Island (Andamans).
72. *Pseudonereis gallapagensis* Kilberg. CMFRI - AN. 72. Gulf of Mannar; Ross Island
(Andamans).
73. *P. anomala* Gravier. CMFRI - AN. 73. Port Blair (Andamans).
74. *Platynereis dumerilii* (Aud& M. Edwards). CMFRI - AN. 74. Pamban (Gulf of Mannar);
Palk Bay.
75. *P. abnormis* (Horst). CMFRI - AN. 75. Pamban (Gulf of Mannar); Palk Bay.
76. *Tambalagamia fauveli* Pillai. CMFRI - AN. 76. Palk Bay.

FAMILY NEPHTYIDAE

77. *Nephtys oligobranchia* Southern. CMFRI - AN. 77. Palk Bay.

FAMILY GLYCERIDAE

78. *Glycera tessellata* Grube. CMFRI- AN. 78. Palk Bay.
79. *G. longipinnis* Grube. CMFRI - AN. 79. Palk Bay.
80. *G. alba* (Muller). CMFRI - AN. 80. Palk Bay.

FAMILY GONIADIDAE

81. *Glycinde oligodon* Southern. CMFRI - AN. 81. Palk Bay.

FAMILY ONUPHIDAE

82. *Diopatra neapolitana* Delle Chiaje. CMFRI - AN. 82. Palk Bay; Tuticorin (Gulf of Mannar);
Neendakara - Quilon (Arabian Sea).

83. *Onuphis eremita* Aud. & M. Edwards. CMFRI - AN. 83. Palk Bay.
 84. *Nothria holobranchiata* (Marenzeller). CMFRI - AN. 84. Palk Bay.
 85. *Hyalinoecia tubicola* (Muller). CMFRI - AN. 85. Between South Point and Ross Island
 (Andamans).

FAMILY EUNICIDAE

86. *Eunice tentaculata* Quatrefages. CMFRI - AN. 86. Port Blair (Andamans); Pullamadam
 (Palk Bay).
 87. *E. afra* Peters. CMFRI - AN. 87. Malacca Bay, Car Nicobar.
 88. *E. antennata* (Savigny). CMFRI - AN. 88. Palk Bay; Gulf of Mannar.
 89. *E. indica* Kinberg. CMFRI - AN. 89. Palk Bay.
 90. *E. siciliensis* Grube. CMFRI - AN. 90. Gulf of Mannar; Palk Bay; Mayabandar (Andamans).
 91. *E. marenzelleri* Gravier. CMFRI - AN. 91. Minicoy (Laccadives); Manauli Island (Gulf of
 Mannar).
 92. *E. schemacephala* Schmarda. CMFRI - AN. 92. CMFRI (Aquarium tank).
 93. *Marphysa sanguinea* (Montagu). CMFRI - AN. 93. Pullamadam (Palk Bay); Mayabandar
 (Andamans).
 94. *M. macintoshi* Crossland. CMFRI - AN. 94. Palk Bay.
 95. *M. mossambica* (Peters). CMFRI - AN. 95. Palk Bay.
 96. *Paramarphyse orientalis* Willey. CMFRI - AN. 96. Gulf of Mannar.
 97. *Lysidica collaris* Grube. CMFRI - AN. 97. Gulf of Mannar; Neil Island (Andamans).
 98. *Nematonereis unicornis* (Grube). CMFRI - AN. 98. Gulf of Mannar.

FAMILY LUMBRINERIDAE

99. *Lumbrineris sphaerocephala* (Schmarda). CMFRI - AN. 99. Vedalai (Gulf of Mannar).
 100. *L. impatiens* (Cleparede). CMFRI - AN. 100. Palk Bay; Car Nicobar.
 101. *L. notocirrata* (Fauvel). CMFRI - AN. 101. Palk Bay.

FAMILY ARABELLIDAE

102. *Arabella iricolor* (Montagu). CMFRI - AN. 102. Tuticorin (Gulf of Mannar); Palk Bay.
 103. *A. mutans* (Chamberlin). CMFRI - AN. 103. Car Nicobar.
 104. *Driloneris filum* (Claparede). CMFRI - AN. 104. Mayabandar (Andamans).

FAMILY LYSARETIDAE

105. *Aglauridews fulgida* (Savigny). CMFRI - AN. 105. Gulf of Mannar.

FAMILY DORVILLEIDAE

106. *Stauronereis incertus* (Schmarda). CMFRI - AN. 106. Palk Bay; Hare Island (Gulf of Mannar).
 107. *Papilliodorvillea gardineri* (Crossland). CMFRI - AN. 107. Calicut.
 108. *Ophryotrocha puerilis* Claparede & Metschnikov. CMFRI - AN. 108. Hare Island (Gulf of Mannar).

FAMILY ORBINIIDAE

109. *Scoloplos marsupialis* Southern. CMFRI - AN. 109. Palk Bay; Mayabandar (Andamans).
 110. *Haploscoloplos kerguelensis* (Mc Intosh). CMFRI - AN. 110. Palk Bay.
 111. *Scoloplos* (Leodamas) *chevalieri* (Fauvel). CMFRI - AN. 111. Gulf of Mannar.
 112. *Nainercis laevigata* (Grube). CMFRI - AN. 112. Gulf of Mannar.

FAMILY SPIONIDAE

113. *Nerine cirratulus* (Delle Chiaje). CMFRI - AN. 113. Vedalai (Gulf of Mannar).
 114. *Nerinides knightjonesi* De Silva. CMFRI - AN. 114. Ross Island (Andamans).
 115. *Prionospio pinnata* Ehlers. CMFRI - AN. 115. Calicut.
 116. *P. cirrifera* Wiren. CMFRI - AN. 116. Palk Bay.
 117. *Polydora caeca* (Oersted). CMFRI - AN. 117. Pamban (Gulf of Mannar).
 118. *P. hornelli* Willey. CMFRI - AN. 118. Mandapam (Gulf of Mannar).
 119. *P. armata* Langerhans. CMFRI - AN. 119. Mandapam (Gulf of Mannar).
 120. *P. ciliata* (Johnston). CMFRI - AN. 120. Katchathivu (Palk Bay).

FAMILY MAGELONIDAE

121. *Magelona japonica* Okuda. CMFRI - AN. 121. Aberdeen Bay (Andamans).

FAMILY TROCHOCHAETIDAE

122. *Trochochaeta watsoni* (Fauvel). CMFRI - AN. 122. Azhikode (Arabian Sea).

FAMILY POECILOCHAETIDAE

123. *Poecilochaetus serpens* Allen. CMFRI - AN. 123. Pamban (Gulf of Mannar); R. V. KALAVA
 Stn. 426, 10° 02' N. , 73° 40' E.

FAMILY CHAETOPTERIDAE

124. *Mesochaetopterus minuta* Potts. CMFRI - AN. 124. Aberdeen Bay (Andamans).
 125. *Phyllochaetopterus socialis* Claparede. CMFRI - AN. 125. Minicoy(Laccadives).

FAMILY CIRRATULIDAE

126. *Cirratulus anchylochaetus* Schmarda. CMFRI - AN. 126. Palk Bay; Tuticorin (Gulf of Mannar).
 127. *C. dasylophius* Marenzeller. CMFRI - AN. 127. Vedalai(Gulf of Mannar).
 128. *Cirriformia filigera* (Delle Chiaje). CMFRI - AN. 128. C. M. F. R. I. Pier (Gulf of Mannar).
 130. *Dodecaceria fistulicola* Ehlers. CMFRI - AN. 130. Katchathivu, Mandapam(Palk Bay).

FAMILY CTENODRILIDAE

131. *Ctenodrilus serratus* (Schmidt). CMFRI - AN. 131. Mandapam (Gulf of Mannar).
 132. *Raphidrilus nemasoma* Monticelli. CMFRI - AN. 132. Devil's Point- Rameswaram Island (Palk Bay).

FAMILY FLABELLIGERIDAE

133. *Pherusa parmata* (Grube). CMFRI - AN. 133. Madras; Palk Bay; Tuticorin, Hare Island (Gulf of Mannar); Quilon (Arabian Sea).
 134. *P. monilifera* (Delle Chiaje). CMFRI - AN. 134. Mangalore (Arabian Sea).
 135. *P. eruca indica* (Fauvel). CMFRI - AN. 135. Hare Island, Manauli Island (Gulf of Mannar).

FAMILY OPHELIIDAE

136. *Polyopthalmus pictus* (Dujardin). CMFRI - AN. 136. Gulf of Mannar.
 137. *Armandia lanceolata* Willey. CMFRI - AN. 137. Andamans.
 138. *Ammotrypane aulogaster* Rathke. CMFRI - AN. 138. Palk Bay.

FAMILY STERNASPIDAE

139. *Sternaspis scutata* (Renier). CMFRI - AN. 139. Calicut, Mangalore (Arabian Sea).

FAMILY CAPITELLIDAE

140. *Dasybranchus caducus* (Grube). CMFRI - AN. 140. Rameswaram (Palk Bay).
 141. *Capitellethus dispar* (Ehlers). CMFRI - AN. 141. Mayabandar (Andamans).
 142. *Pulliella armata* Fauvel. CMFRI - AN. 142. Hare Island (Gulf of Mannar).

FAMILY ARENICOLIDAE

143. *Arenicola brasiliensis* (Nanato). CMFRI - AN. 143. Malacca Bay (Andamans).

FAMILY MALDANIDAE

144. *Euclymene insecta* (Ehlers). CMFRI - AN. 144. Palk Bay.
 145. *Axiothella australis* Augener. CMFRI - AN. 145. Gulf of Mannar; Neill Island (Andamans);
 Kovalam (Arabian Sea).
 146. *Maldane sarsi* Malmgren. CMFRI - AN. 146. Gulf of Mannar.

FAMILY OWENIIDAE

147. *Owenia fusiformis* Delle Chiaje. CMFRI - AN. 147. Phoenix Bay - Port Blair (Andamans);
 Palk Bay; Kovalam (Arabian Sea).
 148. *Myriochele picta* Southern. CMFRI - AN. 148. Pamban (Gulf of Mannar).

FAMILY SABELLARIDAE

149. *Sabellaria spinulosa* Leuckart. CMFRI - AN. 149. Rameswaram Road (Gulf of Mannar);
 Vizhingam (Arabian Sea).
 150. *S. pectinata* Fauvel. CMFRI - AN. 150. Mandapam (Gulf of Mannar).
 151. *S. cementarium* Moore. CMFRI - AN. 151. Vizhingam (Arabian Sea).
 152. *S. alviolata* (Linnaeus). CMFRI - AN. 152. Azhikode (Arabian Sea).
 153. *S. rupicaproides* Augener. CMFRI - AN. 153. Vizhingam, Colachel (Arabian Sea).
 154. *Idanthyrsus pennatus* (Peters). CMFRI - AN. 154. Aberdeen Bay (Andamans).

FAMILY PECTINARIIDAE

155. *Pectinaria antipoda* Schmarda. CMFRI - AN. 155. Aberdeen Bay (Andamans).
 156. *P. crass* Grube. CMFRI - AN. 156. Vipin - Cochin (Arabian Sea).

FAMILY AMPHARETIDAE

157. *Schistocomus hiltoni* Chamberlin, CMFRI - AN. 157. Tuticorin (Gulf of Mannar).

FAMILY TERESELLIDAE

158. *Loimia medusa* (Savigny). CMFRI - AN. 158. R. V. VARUNA Stn. 1533, 20 metres.
 159. *L. crassifilis* (Grube). CMFRI- 159. Gulf of Mannar.
 160. *L. variegata* (Grube). CMFRI- AN. 160. Rameswaram Road (Gulf of Mannar).
 161. *L. socialis* (Willey). CMFRI - AN. 161. Rameswaram Road (Gulf of Mannar).
 162. *Eupolymnia nebulosa* (Montagu). CMFRI- AN. 162. Palk Bay.
 163. *Nicolea gracilibranchis* (Grube). CMFRI- AN. 163. Vedalai, Tuticorin (Gulf of Mannar).
 164. *Terebella ehrenbergi* Grube. CMFRI - AN. 164. Palk Bay.
 165. *Pista herpini* Fauvel. CMFRI- 165. Mandapam (Palk Bay).
 166. *Streblosoma persica* (Fauvel). CMFRI - AN. 166. Palk Bay.
 167. *S. cespitosa* (Willey). CMFRI- AN. 167. Palk Bay.
 168. *Lysilla pambanensis* Fauvel. CMFRI - AN. 168. Mandapam (Palk Bay).

FAMILY TRICHOBRANCHIDAE

169. *Terebellides stroemii* Sars. CMFRI - AN. 169. Manauli Island (Gulf of Mannar).

FAMILY SABELLIDAE

170. *Sabella porifera* Grube. CMFRI- AN. 170. Neill Island (Andamans); Hare Island (Gulf of Mannar); Palk Bay.
 171. *S. melanostigma* Schmarda. CMFRI - AN. 171. Palk Bay.
 172. *Spirographis spallanzanii* Viviani. CMFRI - AN. 172. Palk Bay.
 173. *Branchiomma singulata* (Grube). CMFRI- AN. 173. Palk Bay; Pamban (Gulf of Mannar).
 174. *B. serratibranchis* (Grube). CMFRI - AN. 174. Pamban, Rameswaram Road (Gulf of Mannar).
 175. *Sabellastarte indica* Savigny. CMFRI - AN. 175. Quilon (Arabian Sea).
 176. *Hypsicomus phaeotaenia* (Schmarda). CMFRI - AN. 176. Neill Island (Andamans); Gulf of Mannar.
 177. *Potamilla ehlersi* Gravier. CMFRI - AN. 177. Gulf of Mannar.
 178. *P. leptochaeta* Southern. CMFRI - AN. 178. Gulf of Mannar.

179. *P. ceylonica* Augener. CMFRI - AN. 179. Gulf of Mannar.
 180. *Megalomma pacifica* Johansson. CMFRI - AN. 180. Gulf of Mannar.
 181. *Oriopsis armandi* (Claparede). CMFRI - AN. 181. Mandapam (Gulf of Mannar).

FAMILY SERPULIDAE

182. *Serpula vermicularis* Linnaeus. CMFRI - AN. 182. Manauli Island (Gulf of Mannar).
 183. *Hydroides norvegica* Gunnerus. CMFRI - AN. 183. Pamban (Gulf of Mannar).
 184. *H. minax* (Grube). CMFRI - AN. 184. Mandapam (Gulf of Mannar).
 185. *H. albiceps* (Grube). CMFRI - AN. 185. Manauli Island (Gulf of Mannar).
 186. *H. bifurcatus* Pixell. CMFRI - AN. 186. Hare Island (Gulf of Mannar).
 187. *H. exaltatus* (Marenzeller). CMFRI - AN. 187. Palk Bay.
 188. *H. exaltatus vesiculosus* Fauvel. CMFRI - AN. 188. Palk Bay.
 189. *H. monoceros* Gravier. CMFRI - AN. 189. Pamban (Gulf of Mannar).
 190. *Spirobranchus giganteus* (Pallas). CMFRI - AN. 190. Ross Island (Andamans); Pamban
 (Gulf of Mannar).
 191. *S. jousseaumei* (Gravier). CMFRI - AN. 191. Mandapam (Gulf of Mannar).
 192. *S. maldivensis* Pixell. CMFRI - AN. 192. Pamban (Gulf of Mannar).
 193. *Pomatostegus stellatus* (Abilgaard). CMFRI - AN. 193. Long Island (Andamans); Palk Bay;
 Pamban (Gulf of Mannar).
 194. *P. polytrema* (Philippi). CMFRI - AN. 194. Hare Island (Gulf of Mannar).
 195. *Vermiliopsis pygidialis* (Willey). CMFRI - AN. 195. Mandapam (Gulf of Mannar).
 196. *Protula tubularia* (Montagu). CMFRI - AN. 196. Pamban (Gulf of Mannar).
 197. *Salmacina dystery* (Huxley). CMFRI - AN. 197. Periapatnam, Mandapam (Gulf of Mannar).
 198. *S. incrustans* Claparede. CMFRI - AN. 198. Hare Island (Gulf of Mannar).

FAMILY SPIROORBIDAE

199. *Spiroorbis foraminosus* Bush. CMFRI - AN. 199. Palk Bay.
 200. *S. (Dexiospira) pagenstecheri* Quatrefages. CMFRI - AN. 200. Mandapam (Gulf of Mannar).

CATALOGUE OF CRABS AND HERMIT-CRABS
IN THE REFERENCE COLLECTIONS OF THE CENTRAL
MARINE FISHERIES RESEARCH INSTITUTE

By

M.M.Thomas

(Central Marine Fisheries Research Institute, Mandapam Camp)

V. CATALOGUE OF CRABS AND HERMIT-CRABS

PHYLUM ARTHROPODA

CLASS CRUSTACEA

ORDER DECAPODA

SUBORDER REPTANTIA

SECTION ANOMURA

FAMILY GALATHEIDAE

1. *Galathea elegans* White. CMFRI - AR.1. Tuticorin (Gulf of Mannar).

FAMILY PORCELLANIDAE

2. *Porcellanella triloba* White. CMFRI - AR. 2. Vedalai (Gulf of Mannar).
3. *P. gaekwari* Southwell. CMFRI - AR. 3. Pearl beds, Ceylon (Gulf of Mannar).
4. *Pisidia spinulifrons* (Miers). CMFRI - AR. 4. Dhanushkodi (Gulf of Mannar).

FAMILY PAGURIDAE

5. *Paguristes longirostris* Dana. CMFRI - AR. 5. Mandapam, Kundugal gut, Pudumadam, Mandapam (Gulf of Mannar).
6. *P. incomitatus* Alcock. CMFRI - AR. 6. Mandapam (Palk Bay).
7. *Clibanarius clibanarius* Herbst. CMFRI - AR. 7. Cuddalore, Kakinada (Bay of Bengal).
8. *C. infraspinatus* Hilgendorf. CMFRI - AR. 8. Rameswaram Island, Point Calimere (Palk Bay).
9. *C. padavensis* de Man. CMFRI - AR. 9. Athankarai river mouth, Rameswaram Island (Palk Bay).
10. *C. cruentatus* Milne Edwards. CMFRI - AR. 10. Mandapam Camp (Palk Bay); Pudumadam (Gulf of Mannar).
11. *C. arethusa* de Man. CMFRI - AR. 11. Mandapam Camp (Palk Bay), Kundugal gut (Gulf of Mannar).
12. *C. longitarsus* (de Haan). CMFRI - AR. 12. Athankarai (Palk Bay); Kundugal gut (Gulf of Mannar); Pulicat Lake (Bay of Bengal); Neendakara (Quilon).

13. *C. merguiensis* de Man. CMFRI - AR. 13. Pamban, Shingle Island, Krusadai Island (Gulf of Mannar); Kacha Tivu (Palk Bay).
14. *C. corallinus* H. Milne Edwards. CMFRI - AR. 14. Aberdeen Bay (Andamans).
15. *Calcinus herbsti* de Man. CMFRI - AR. 15. Mandapam (Palk Bay); Kundugal gut (Gulf of Mannar); Minicoy, Kavarathy (Laccadives).
16. *Aniculus strigatus* (Herbst). CMFRI - AR. 16. Cochin.
17. *Diogenes merguiensis* de Man. CMFRI - AR. 17. Pudumadam (Gulf of Mannar).
18. *D. Diogenes* Herbst. CMFRI - AR. 18. Cochin, Azheecode, Cannanore, Calicut, Nagapatnam, Cuddalore.
19. *D. custos* Fabricius. CMFRI - AR. 19. Nagapatnam.
20. *D. miles* Herbst. CMFRI - AR. 20. Mandapam, Irumeni, Rameswaram (Palk Bay); Thonithura (Gulf of Mannar); Cuddalore.
21. *D. planimanus* Henderson. CMFRI - AR. 21. Athankarai (Palk Bay); Tuticorin (Gulf of Mannar).
22. *D. avarus* Heller. CMFRI - AR. 22. Mandapam, Athankarai (Palk Bay); Krusadai Island, Thonithura (Gulf of Mannar).
23. *D. rectimanus* Miers. CMFRI - AR. 23. Athankarai (Palk Bay); Kundugal gut (Gulf of mannar).
24. *D. investigatoris* Alcock. CMFRI - AR. 24. Kundugal gut (Gulf of Mannar).
25. *Pagurus megistos* Herbst. CMFRI - AR. 25. Pudumadam, Pully Island, Kilakkarai (Gulf of Mannar); Andamans; Kavarathy (Laccadives).
26. *P. setifer* Milne Edwards. CMFRI - AR. 26. Pudumadam (Gulf of Mannar); Mandapam Camp (Palk Bay); Kakinada.
27. *P. hessii* Miers. CMFRI - AR. 27. Kakinada.
28. *P. vulnerans* Thallwitz. CMFRI - AR. 28. Athankarai (Palk Bay).
29. *Spiropagurus spiriger* de Haan. CMFRI - AR. 29. Kakinada; Nagapatnam.
30. *Nematopagurus indicus* Alcock. CMFRI - AR. 30. Cochin.
31. *N. squamichelles* Alcock. CMFRI - AR. 31. Cochin.
32. *Paguropsis typica* Henderson. CMFRI - AR. 32. Cochin.

FAMILY COENOBITIDAE

33. *Coenobita rugosa* Milne Edwards. CMFRI - AR. 33. Manauli Island; Vala tivu (Gulf of Mannar); South Point (Andamans); Minicoy (Laccadives).
34. *C. cavipes* Stimpson. CMFRI - AR. 34. Minicoy (Laccadives).
35. *C. clypeata* Latreille. CMFRI - AR. 35. Suheli Par (Laccadives); Car Nicobar.

SECTION BRACHYURA
FAMILY DROMIIDAE

36. *Dromia* sp. CMFRI - AR. 36. Tuticorin (Gulf of Mannar).
 37. *Dromidia unidentata* (Ruppell). CMFRI - AR. 37. Vedalai (Gulf of Mannar).
 38. *Dromia rumphii* Henderson. CMFRI - AR. 38. Rameswaram (Palk Bay).
 39. *Dromidopsis cranioides* (de Man). CMFRI - AR. 39. Tuticorin (Gulf of Mannar).
 40. *Pseudodromia integrifrons* Henderson. CMFRI - AR. 40. Vedalai (Gulf of Mannar).

FAMILY DORIPPIDAE

41. *Dorippe frascoe* (Herbst). CMFRI - AR. 41. Pudumadam (Gulf of Mannar).
 42. *D. granulata* de Haan. CMFRI - AR. 42. Pudumadam (Gulf of Mannar); Ross Island
 (Andamans).
 43. *D. Polita* Alcock & Anderson. CMFRI - AR. 43. Pudumadam (Gulf of Mannar).

FAMILY CALAPPIDAE

44. *Calappa hapatica* (Linnaeus). CMFRI - AR. 44. Hare Island (Gulf of Mannar); Pearl beds
 (Ceylon); Aberdeen Bay (Andamans); Minicoy (Laccadives).
 45. *C. philargius* (Linnaeus). CMFRI - AR. 45. Palk Bay; Mangalore; Ceylon.
 46. *Matuta lunaris* (Forsk.) CMFRI - AR. 46. Hare Island (Gulf of Mannar); Andamans;
 Car Nicobar.
 47. *M. Planipes* Fabricius. CMFRI - AR. 47. Mandapam Camp (Palk Bay).
 48. *M. banksii* Leach. CMFRI - AR. 48. Car Nicobar; Andamans; Androth, Kavaraathy (Laccadives).

FAMILY LEUCOSIIDAE

49. *Leucosia pubescens* Miers. CMFRI - AR. 49. Pudumadam (Gulf of Mannar).
 50. *L. pallida* Bell. CMFRI - AR. 50. Aberdeen Bay (Andamans).
 51. *Philyra scabriuscula* (Fabricius). CMFRI - AR. 51. Mandapam (Palk Bay).
 52. *P. verrucosa* Henderson. CMFRI - AR. 52. Pudumadam (Gulf of Mannar).
 53. *P. adamis* Bell. CMFRI - AR. 53. Vedalai, Pudumadam (Gulf of Mannar).
 54. *Myra fugax* (Fabricius). CMFRI - AR. 54. Aberdeen Bay (Andamans).
 55. *M. pentacantha* Alcock. CMFRI - AR. 55. Aberdeen Bay (Andamans).
 56. *Tlos latus* Borradaile. CMFRI - AR. 56. Aberdeen Bay (Andamans).
 57. *Arcania tuberculata* Bell. CMFRI - AR. 57. Aberdeen Bay (Andamans).

58. *A. undecimspinosa* de Haan. CMFRI- AR. 58. Aberdeen Bay (Andamans).

59. *Narsilia dentata* Bell. CMFRI- AR. 59. Aberdeen Bay (Andamans).

FAMILY HYMENOSOMIDAE

60. *Elamena cristipes* Gravely. CMFRI - AR. 60. Madras.

61. *E. sindensis* Alcock. CMFRI - AR. 61. Vedalai (Gulf of Mannar).

FAMILY MAIIDAE

62. *Paratymolus hastatus* Alcock. CMFRI - AR. 62. Athankarai (Palk Bay); Aberdeen Bay (Andamans).

63. *Huenia proteus* de Haan. CMFRI - AR. 63. Pearl beds (Ceylon); Minicoy (Laccadives).

64. *Menaethius monoceros* (Latreille). CMFRI - AR. 64. Vedalai (Gulf of Mannar); Car Nicobar; Aberdeen Bay (Andamans); Minicoy (Laccadives).

65. *Acanthonyx macleayi* Krauss. CMFRI - AR. 65. Vedalai (Gulf of Mannar).

66. *Doclea gracilipis* Stimpson. CMFRI - AR. 66. Vedalai (Gulf of Mannar).

67. *Doclea* sp. CMFRI - AR. 67. Vedalai (Gulf of Mannar).

68. *Egeria investigatoris* Henderson. CMFRI - AR. 68. Pearl beds (Ceylon).

69. *Halimus pleione* (Herbst). CMFRI - AR. 69. Pearl beds (Ceylon); Vedalai (Gulf of Mannar).

70. *H. aries* (Latreille). CMFRI - AR. 70. Kilakkarai (Gulf of Mannar).

71. *Haystenus pleione* (Herbst). CMFRI - AR. 71. Kilakkarai (Gulf of Mannar).

72. *Naxioides hirta* (A. Milne Edwards). CMFRI - AR. 72. Ceylon (Gulf of Mannar).

73. *Pseudomicippa aenuipes* A. Milne Edwards. CMFRI - AR. 73. Car Nicobar.

74. *P. nodosa* (Heller). CMFRI - AR. 74. Pearl beds (Ceylon).

75. *Tairinia cornigera* (Latreille). CMFRI - AR. 75. Car Nicobar.

76. *Schizophrys aspera* (H. Milne Edwards). CMFRI - AR. 76. Manauli Island (Gulf of Mannar); Car Nicobar, Kavarathy (Laccadives).

77. *Stenocionops cervicornis* (Herbst). CMFRI - AR. 77. Pearl beds (Ceylon).

78. *Oregonia* sp. CMFRI- AR. 78. Vedalai (Gulf of Mannar).

79. *Tylocarcinus styx* (Herbst). CMFRI - AR. 79. Aberdeen Bay (Andamans); Minicoy (Laccadives).

80. *Micippa thalia* (Herbst). CMFRI- AR. 80. Hare Island (Gulf of Mannar).

81. *Micippa philyra* (Herbst). CMFRI - AR. 81. Minicoy (Laccadives); Hare Island (Gulf of Mannar).

FAMILY PARTHENOPIDAE

82. *Cryptopodia fornicata* (Fabricius). CMFRI - AR. 82. Ceylon; Pudumadam (Gulf of Mannar).
 83. *Lambrus* (*Lambrus*) *longimanus* Leach. CMFRI - AR. 83. Pearl beds (Ceylon).
 84. *L.* (*Aulacolambrus*) *hoplonotus* Adam & White. CMFRI - AR. 84. Hare Island (Gulf of Mannar).
 85. *L.* (*Platylambrus*) *carinatus* A. Milne Edwards. CMFRI - AR. 85. Athankarai (Palk Bay).
 86. *Oethra scruposa* (Linnaeus). CMFRI - AR. 86. Rameswaram (Palk Bay).
 87. *Parthenope horrida* Fabricius. CMFRI - AR. 87. Minicoy (Laccadives).
 88. *Rhabdonotus pictus* A. Milne Edwards. CMFRI - AR. 88. Tuticorin (Gulf of Mannar).
 89. *Harrovia albolineata* Adam & White. CMFRI - AR. 89. Vedalai (Gulf of Mannar).

FAMILY PORTUNIDAE

90. *Charybdis* (*Charybdis*) *annulata* (Fabricius). CMFRI - AR. 90. Krusadai Island (Gulf of Mannar).
 91. *C.* (*Charybdis*) *helleri* (A. Milne Edwards). CMFRI - AR. 91. Palk Bay; Pamban (Gulf of Mannar).
 92. *C.* (*Charybdis*) *cruciata* (Linnaeus). CMFRI - AR. 92. Pudumadam, Vedalai (Gulf of Mannar).
 93. *C.* (*Charybdis*) *natator* (Herbst). CMFRI - AR. 93. Pudumadam (Gulf of Mannar).
 94. *C.* (*Charybdis*) *anisodon* (de Haan). CMFRI - AR. 94. Vedalai (Gulf of Mannar).
 95. *C.* (*Goniohellenus*) *truncata* (Fabricius). CMFRI - AR. 95. Andamans.
 96. *C.* (*Goniosupradens*) *obtusifrons* Leene. CMFRI - AR. 96. Minicoy(Laccadives).
 97. *C.* (*Charybdis*) *lucifera* (Fabricius). CMFRI - AR. 97. Pamban (Gulf of Mannar).
 98. *C.* (*Charybdis*) *orientalis* (Dana). CMFRI- AR. 98. Port Blair(Andamans).
 99. *Lissocarcinus orbicularis* Dana. CMFRI - AR. 99. Minicoy (Laccadives).
 100. *Portunus emarginatus* Stephenson. CMFRI - AR. 100. Aberdeen Bay (Andamans).
 101. *P. granulatus* (H. Milne Edwards). CMFRI - AR. 101. Aberdeen Bay (Andamans); Car Nicobar; Minicoy(Laccadives).
 102. *P. hastatoides* Fabricius. CMFRI - AR. 102. Athankarai (Palk Bay).
 103. *P. minutus* (Shen). CMFRI - AR. 103. Aberdeen Bay (Andamans).
 104. *P. pelagicus* (Linnaeus). CMFRI - AR. 104. Devipatnam (Palk Bay); Mandapam Camp (Gulf of Mannar); North Bay (Andamans).

105. *P. pubescens* (Dana). CMFRI - AR. 105. Vedalai (Gulf of Mannar).
106. *P. samoensis* (Ward). CMFRI - AR. 106. Hare Island (Gulf of Mannar).
107. *P. sanguinolentus* (Herbst). CMFRI - AR. 107. Pudumadam (Gulf of Mannar); Car Nicobar.
108. *Scylla serrata* (Forsk.). CMFRI - AR. 108. Palk Bay; Ross Island, North Bay (Andamans).
109. *Thalamita admete* (Herbst). CMFRI - AR. 109. Neill Island, Andamans; Aberdeen Bay
(Andamans); Car Nicobar; Minicoy (Laccadives).
110. *T. crenata* (Latreille). CMFRI - AR. 110. Palk Bay; Bimbletan(Andamans).
111. *T. chaptali* (Audouin & Savigny). CMFRI - AR. 111. Aberdeen Bay (Andamans).
112. *T. cooperi* Borradaile. CMFRI - AR. 112. Minicoy (Laccadives).
113. *T. integra* Dana. CMFRI - AR. 113. Vedalai (Gulf of Mannar); Aberdeen Bay (Andamans);
Minicoy (Laccadives).
114. *T. prymna* (Herbst). CMFRI - AR. 114. Manauli Island; Tuticorin (Gulf of Mannar); Aberdeen
Bay (Andamans).
115. *T. parvidens* Rathbun. CMFRI - AR. 115. Palk Bay.
116. *T. spinifera* Borradaile. CMFRI - AR. 116. Vedalai, Tuticorin (Gulf of Mannar).
117. *T. tenuipes* Borradaile. CMFRI - AR. 117. Minicoy (Laccadives).

FAMILY GRAPSIDAE

118. *Geograpsus crinipes* (Dana). CMFRI - AR. 118. Minicoy (Laccadives).
119. *Grapsus albolineatus* (Herbst). CMFRI - AR. 119. Gulf of Mannar; Car Nicobar.
120. *G. tenuicrustatus* (Herbst). CMFRI - AR. 120. Minicoy (Laccadives).
121. *Metapograpsus frontalis* Miers. CMFRI - AR. 121. Mandapam Camp (Palk Bay); Car Nicobar.
122. *M. thukuar* (Owen). CMFRI - AR. 122. Pamban (Gulf of Mannar).
123. *Pachygrapsus minutus* A. Milne Edwards. CMFRI - AR. 123. Pully Island, (Gulf of Mannar);
Car Nicobar.
124. *P. planiforms* de Man. CMFRI - AR. 124. Car Nicobar.
125. *Ptychognathus dentatus* de Man. CMFRI - AR. 125. Bimbletan (Andamans).
126. *P. pusillus* Heller. CMFRI - AR. 126. Vaigai River (Palk Bay).
127. *Metaplax distincta* H. Milne Edwards. CMFRI - AR. 127. Athankarai (Palk Bay); Maya Bandar
(Andamans).
128. *Sesarma (Sesarma) plicata* (Latreille). CMFRI - AR. 128. Negombo (Ceylon).
129. *S. (Chiromantes) bidens* (de Haan). CMFRI - AR. 129. Athankarai (Palk Bay); Negombo
(Ceylon); Bimbleton (Andamans); Pully Island (Gulf of Mannar).

130. *S. quadratum* de Man. CMFRI- AR. 130. Maradu.
 131. *Percnon planissimum* (Herbst). CMFRI - AR. 131. Shingle Island (Gulf of Mannar);
 Car Nicobar; Port Blair (Andamans); Minicoy (Laccadives).
 132. *Plagusia dipressa tuberculata* Lamarck. CMFRI - AR. 132. Mandapam Camp (Gulf of
 Mannar).
 133. *P. dipressa immaculata* Lamarck. CMFRI - AR. 133. Long Island (Andamans).

FAMILY OCYPODIDAE

134. *Ocypode ceratophthalma* (Pallas). CMFRI - AR. 134. Gulf of Mannar; Neill Island (Andamans);
 Amindivi, Kavarathy (Laccadives).
 135. *O. cordimana* Desmarest. CMFRI - AR. 135. Mandapam Camp (Gulf of Mannar); Neill Island
 (Andamans); Kavarathy (Laccadives).
 136. *O. macrocera* H. Milne Edwards. CMFRI - AR. 136. Palk Bay.
 137. *Uca annulipes* (H. Milne Edwards). CMFRI - AR. 137. Manauli Island (Gulf of Mannar); Maya
 Bandar (Andamans).
 138. *U. marionis excisa* Nobili. CMFRI - AR. 138. Manauli Island (Gulf of Mannar); Maya Bandar
 (Andamans).
 139. *Dotilla myctiroides* (H. Milne Edwards). CMFRI - AR. 139. Kundugal gut(Gulf of Mannar);
 Aberdeen Bay (Andamans).
 140. *D. wichmani* de Man. CMFRI - AR. 140. Aberdeen Bay (Andamans).
 141. *Scopimera pilula* Kemp. CMFRI - AR. 141. Kundugal gut (Gulf of Mannar).
 142. *Macrophthalmus convexus* Stimpson. CMFRI - AR. 142. Manauli Island (Gulf of Mannar).
 143. *M. depressus* Ruppell. CMFRI - AR. 143. Kundugal gut, Manauli Island (Gulf of Mannar).
 144. *M. telescopicus* (Owen). CMFRI - AR. 144. Andamans.

FAMILY MICTYRIDAE

145. *Mictyris longicarpus* Latreille. CMFRI - AR. 145. Maya Bandar (Andamans).

FAMILY XANTHIDAE

146. *Actaea cavipes* (Dana). CMFRI - AR. 146. Neill Island (Andamans); Minicoy (Laccadives).
 147. *A. granulata* (Audouin). CMFRI - AR. 147. Pudumadam (Gulf of Mannar); Devipatnam
 (Palk Bay).
 148. *A. hirsutissima* (Ruppell). CMFRI - AR. 148. Neill Island (Andamans).
 149. *A. peronii* (Milne Edwards). CMFRI - AR. 149. Mandapam (Gulf of Mannar).
 150. *A. ruppelli* (Krauss). CMFRI - AR. 150. Gulf of Mannar.

151. *A. speciosa* (Dana). CMFRI - AR. 151. South Point (Andamans).
152. *A. tomentosa* (H. Milne Edwards). CMFRI - AR. 152. Car Nicobar.
153. *Atergatis dilatatus* de Haan. CMFRI - AR. 153. Aberdeen Bay (Andamans).
154. *A. intergerrimus* (Lamarck). CMFRI - AR. 154. Kilakkarai (Gulf of Mannar).
155. *A. floridus* (Rumphius). CMFRI - AR. 155. Port Blair (Andamans).
156. *Atergatopsis sigmatus* (Adam & White). CMFRI - AR. 156. Kalapahad (Andamans).
157. *Actumnus* sp. CMFRI - AR. 157. Mandapam (Gulf of Mannar).
158. *A. verrucosus* Henderson. CMFRI - AR. 158. Pearl bank (Ceylon).
159. *Carpilodes tristis* Dana. CMFRI - AR. 159. Aberdeen Bay (Andamans); Minicoy (Laccadives).
160. *C. bellus* (Dana). CMFRI - AR. 160. Minicoy (Laccadives).
161. *C. lophopus* Alcock. CMFRI - AR. 161. Tuticorin (Gulf of Mannar).
162. *C. convexus* (Forsk.) CMFRI - AR. 162. Minicoy (Laccadives).
163. *C. maculatus* (Linnaeus). CMFRI - AR. 163. Kilakkarai (Palk Bay); Minicoy (Laccadives).
164. *Chlorodiella laevissima* (Dana). CMFRI - AR. 164. Car Nicobar.
165. *C. nigra* (Forsk.) CMFRI - AR. 165. Manauli Island (Gulf of Mannar); Aberdeen Bay (Andamans).
166. *Chlorodopsis areolata* (H. Milne Edwards). CMFRI - AR. 166. Car Nicobar.
167. *C. melanochira* (A. Milne Edwards). CMFRI - AR. 167. Carbins Cove (Andamans).
168. *C. pilumnoides* (White). CMFRI - AR. 168. Car Nicobar.
169. *C. spinipes* (Heller). CMFRI - AR. 169. Car Nicobar; Minicoy (Laccadives).
170. *Cymo andreossi* (Andouin). CMFRI - AR. 170. Mandapam (Gulf of Mannar); Neile Island (Andamans).
171. *C. quadrilobatus* Miers. CMFRI - AR. 171. Minicoy (Laccadives).
172. *C. melanodactylus* Dana. CMFRI - AR. 172. Manauli Island (Gulf of Mannar).
173. *C. tuberculatus* Ortmann. CMFRI - AR. 173. Manauli Island (Gulf of Mannar).
174. *Domecia hispida* Eydoux & Souleyet. CMFRI - AR. 174. Aberdeen Bay (Andamans).
175. *Daira perlata* (Herbst). CMFRI - AR. 175. Minicoy (Laccadives).
176. *Epixanthus dentatus* (White). CMFRI - AR. 176. Bimbleton (Andamans).
177. *Eriphia laevimanus* Guerin. CMFRI - AR. 177. South Point (Andamans).
178. *E. smithii* Macleay. CMFRI - AR. 178. Ross Island (Andamans); Porbundar (Arabian Sea).

179. *E. sebana* (Shaw & Nodder). CMFRI - AR. 179. Pullivasal Island (Gulf of Mannar).
180. *Etisus dentatus* (Herbst). CMFRI - AR. 180. Kalapahad (Andamans).
181. *E. electra* (Herbst). CMFRI - AR. 181. Hare Island (Gulf of Mannar).
182. *E. laevimanus* Randall. CMFRI - AR. 182. Kilakkarai (Gulf of Mannar); Aberdeen Bay (Andamans); Car Nicobar.
183. *Eurycarcinus grandieri* A. Milne Edwards. CMFRI - AR. 183. Bimbletan (Andamans); Pamban (Gulf of Mannar).
184. *E. maculatus* (A. Milne Edwards). CMFRI - AR. 184. Bimbletan (Andamans).
185. *Eurycarcinus* sp. CMFRI - AR. 185. Tuticorin (Gulf of Mannar).
186. *Galene* sp. CMFRI - AR. 186. Bimbletan (Andamans).
187. *Heteropanope laevis* (Dana). CMFRI - AR. 187. Pudumadam (Gulf of Mannar); Car Nicobar.
188. *Leptodius cavipes* (Dana). CMFRI - AR. 188. Pudumadam (Gulf of Mannar); Car Nicobar.
189. *L. exaratus* (H. Milne Edwards). CMFRI - AR. 189. Shingle Island, Krusadai Island (Gulf of Mannar); Maya Bandar (Andamans); Car Nicobar.
190. *L. euglyptus* Alcock. CMFRI - AR. 190. Shingle Island (Gulf of Mannar).
191. *L. nudipes* (Dana). CMFRI - AR. 191. Car Nicobar.
192. *L. sanguineus* (H. Milne Edwards). CMFRI - AR. 192. Minicoy (Laccadives); Car Nicobar.
193. *Lybia tessellata* Eydoux & Souleyet. CMFRI - AR. 193. Minicoy (Laccadives).
194. *Menippe rumphii* (Fabricius). CMFRI - AR. 194. Palk Bay.
195. *Pilumnus andersoni* de Man. CMFRI - AR. 195. Pudumadam, Tuticorin (Gulf of Mannar).
196. *P. heterodon* Sakai. CMFRI - AR. 196. Car Nicobar.
197. *P. hirsutus* Stimpson. CMFRI - AR. 197. Pamban (Gulf of Mannar); Andamas.
198. *P. vesperilio* (Fabricius). CMFRI - AR. 198. Palk Bay; Neill Island (Andamans); Minicoy (Laccadives).
199. *Phymodius monticulosus* (Dana). CMFRI - AR. 199. Pully Island (Gulf of Mannar); Phoenix Bay (Andamans); Car Nicobar.
200. *P. sculptus* (A. Milne Edwards). CMFRI - AR. 200. Car Nicobar.
201. *Platypodia* sp. CMFRI - AR. 201. Minicoy (Laccadives).
202. *P. granulosa* (Ruppell). CMFRI - AR. 202. Neill Island Ross Island (Andamans).
203. *Tetralia glaberrima* (Herbst). CMFRI - AR. 203. Mandapam (Gulf of Mannar); Neill Island (Andamans); Minicoy (Laccadives).
204. *Trapezia cymodoce* (Herbst). CMFRI - AR. 204. Neill Island (Andamans); Minicoy (Laccadives).

205. *T. ferruginea* Latreille. CMFRI - AR. 205. Neill Island (Andamans).
206. *T. ferruginea areolata* Dana. CMFRI - AR. 206. Rameswaram (Gulf of Mannar); Andamans.
207. *T. ferruginea intermedia* Miers. CMFRI - AR. 207. Neill Island (Andamans).
208. *T. maculata* (Macleay). CMFRI - AR. 208. Minicoy (Laccadives).
209. *Xantho crassimanus* (A. Milne Edwards). CMFRI - AR. 209. Shingle Island (Gulf of Mannar).
210. *X. scaberrimus* Walker. CMFRI - AR. 210. Manauli Island (Gulf of Mannar).
211. *Xanthias lamarcki* (H. Milne Edwards). CMFRI - AR. 211. Gulf of Mannar; Aberdeen Bay (Andamans).
212. *X. notatus* (H. Milne Edwards). CMFRI - AR. 212. Car Nicobar.
213. *Xanthodes lamarcki* (H. Milne Edwards). CMFRI - AR. 213. Shingle Island (Gulf of Mannar).
214. *Zozymus aeneus* (Linnaeus). CMFRI - AR. 214. Kalapahad (Andamans); Bitra Island (Laccadives).
215. *Zozymodus pumilus* (Jacquinot). CMFRI - AR. 215. Car Nicobar.

FAMILY GONOPLACIDAE

216. *Eucrate crenata dentata* Alcock. CMFRI - AR. 216. Vaigai River (Palk Bay).

FAMILY PINNOTHERIDAE

217. *Pinnotherus deccanensis* Chopra. CMFRI - AR. 217. Vedalai (Gulf of Mannar).
218. *P. ridgewayi* Southwell. CMFRI - AR. 218. Gulf of Mannar; Palk Bay.
219. *Xenophthalmus pinnotheroides* White. CMFRI - AR. 219. Devipatnam (Palk Bay).

FAMILY GECARCINIDAE

220. *Cardiosoma carnifex* (Herbst). CMFRI - AR. 220. Port Blair (Andamans); Minicoy (Laccadives).

CATALOGUE OF ECHINODERMS IN THE REFERENCE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

D. B. James

(Central Marine Fisheries Research Institute, Mandapam Camp)

VI. CATALOGUE OF ECHINODERMS

PHYLUM ECHINODERMATA

CLASS CRINOIDEA

ORDER ARTICULATA

FAMILY COMASTERIDAE

1. *Comatella stelligera* (P. H. Carpenter). CMFRI - E. 1. Tuticorin (Gulf of Mannar).
2. *Comanthina schlegeli* (P. H. Carpenter). CMFRI - E. 2. Mandapam (Gulf of Mannar).
3. *Comanthus (Comanthus) timorensis* (J. Muller). CMFRI - E. 3. Tuticorin (Gulf of Mannar).
4. *C. (Comanthus) parvicirra* (J. Muller). CMFRI - E. 4. Tuticorin (Gulf of Mannar).

FAMILY MARIAMETRIDAE

5. *Lamprometra palmata palmata* (J. Muller). CMFRI - E. 5. Tuticorin (Gulf of Mannar).

FAMILY TROPIOMETRIDAE

6. *Tropiometra carinata clarki* Gislén. CMFRI - E. 6. Vedalai (Gulf of Mannar).

CLASS ASTEROIDEA

ORDER PHANEROZONIA

FAMILY ASTROPECTINIDAE

7. *Astropecten indicus* Doderlein. CMFRI - E. 7. Tuticorin, Mandapam (Gulf of Mannar).
8. *A. polyacanthus* Muller & Troschel. CMFRI - E. 8. Pamban (Gulf of Mannar); Great Bitter Lake, Wadi el Dom, 29° 27' N., 32° 31' E. (Red Sea).
9. *A. monocanthus* Sladen. CMFRI - E. 9. Tuticorin (Gulf of Mannar).
10. *A. orsinii* Leipoldt. CMFRI - E. 10. Mersa Matruh, 31° 36' N., 27° 12' E. (Mediterranean Sea); Wadi el Dom, 29° 36' N., 32° 30' E. (Red Sea).

FAMILY LUIDIIDAE

11. *Luidia hardwioki* (Gray). CMFRI - E. 11. Bombay.
 12. *L. maculata* Muller & Troschel. CMFRI - E. 12. Pamban, Pudumadam (Gulf of Mannar).
 13. *L. savignyi* (Audouin). CMFRI - E. 13. Wadi el Dom, 29° 27' N., 32° 31' E. (Red Sea).

FAMILY ARCHASTERIDAE

14. *Archaster typicus* Muller & Troschel. CMFRI - E. 14. Port Blair, Maya Bandar (Andamans);
 Car Nicobar; Darval Bay 04° 36' N., 118° 45' E. (N. E. Borneo); Simpson Harbour,
 Rabaul, 04°, 15' E., 152° 10' E. (New Britain).
 15. *A. angulatus* Muller & Troschel. CMFRI - E. 15. Port Louis (Mauritius).

FAMILY ODONTASTERIDAE

16. *Odontaster validus* Koehler. CMFRI - E. 16. Cape Evans, Mc Murdo Sound, 77° 38' S.,
 166° 24' E. (Antarctica).

FAMILY GONIASTERIDAE

17. *Coniodiscus forficulatus* Perrier. CMFRI - E. 17. Tuticorin, Mandapam (Gulf of Mannar).
 18. *Anthenea tuberculata* Gray. CMFRI - E. 18. Mandapam (Palk Bay).
 19. *A. regalis* Koehler. CMFRI - E. 19. Tuticorin (Gulf of Mannar).

FAMILY OREASTERIDAE

20. *Culcita novaeguinea* var. *plana* Doderlein. CMFRI - E. 20. Mandapam (Gulf of Mannar);
 Port Blair (Andamans); Minicoy (Laccadives); Simpson Harbour, Rabaul, 04° 14' S.,
 152° 10' E. (New Britain).
 21. *C. novaeguinea* var. *arenosa* Doderlein. CMFRI - E. 21. Port Blair (Andamans).
 22. *Asterodiscus elegans* Gray. CMFRI - E. 22. Tuticorin (Gulf of Mannar).
 23. *Protoreaster lincki* (Blainville). CMFRI - E. 23. Mandapam, Tuticorin (Gulf of Mannar); Rangat
 Bay (Andamans).
 24. *P. nodosus* (Linnaeus). CMFRI - E. 24. Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo).
 25. *P. australis* (Lutken). CMFRI - E. 25. Mandapam, Tuticorin (Gulf of Mannar); Bitra
 (Laccadives).
 26. *P. affinis* (Muller & Troschel). CMFRI - E. 26. Tuticorin (Gulf of Mannar).

27. *P. indicus* (Koehler). CMFRI - E. 27. Tuticorin (Gulf of Mannar).
 28. *Choriaster granulatus* Lutken. CMFRI - E. 28. Kieta, Bougainville (Solomon Islands).

FAMILY METRODIRIDAE

29. *Metrodira subulata* Gray. CMFRI - E. 29. Tuticorin (Gulf of Mannar).

FAMILY LINCKIIDAE

30. *Leiaster leachi* (Gray). CMFRI - E. 30. Bitra, Minicoy (Laccadives).
 31. *Fromia indica* (Perrier). CMFRI - E. 31. Port Blair (Andamans).
 32. *F. ghardaqana* Mortensen. CMFRI - E. 32. Al-Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 33. *F. milleporella* (Lamarck). CMFRI - E. 33. Port Louis (Mauritius); Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain).
 34. *F. monilis* Perrier. CMFRI - E. 34. Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain); Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo).
 35. *F. pacifica* H. L. Clark. CMFRI - E. 35. Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo).
 36. *Celerina heffernani* (Livingston). CMFRI - E. 36. Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain); Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo).
 37. *Neoferdina ocellata* (H. L. Clark). CMFRI - E. 37. Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain).
 38. *Ophidiaster granifer* Lutken. CMFRI - E. 38. Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain).
 39. *Nardoa variolata* (Lamarck). CMFRI - E. 39. Port Louis (Mauritius).
 40. *N. novaecaledoniae* (Perrier). CMFRI - E. 40. Mandapam (Gulf of Mannar).
 41. *N. pauciformis* (von Martens). CMFRI - E. 41. Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain).
 42. *Dactylosaster cylindricus* (Lamarck). CMFRI - E. 42. Port Louis (Mauritius); Minicoy (Laccadives).
 43. *Linckia laevigata* (Linnaeus). CMFRI - E. 43. Tuticorin (Gulf of Mannar); Port Blair (Andamans); Minicoy (Laccadives); Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo); Keita, Bougainville (Solomon Islands); Port Louis (Mauritius).
 44. *L. guildingi* (Gray). CMFRI - E. 44. Port Blair (Andamans).
 45. *L. multifora* (Lamarck). CMFRI - E. 45. Mandapam, Tuticorin (Gulf of Mannar); Bitra, Agathi, Minicoy (Laccadives); Port Blair (Andamans); Darvel Bay, 04° 36' N., 118° 45' E. (N. E. Borneo); Wadi el Dom, 29° 27' N., 32° 31' E., Quseir, 26° 17' N., 34° 11' E., Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).

FAMILY ASTEROPIDAE

46. *Asteropsis carinifera* (Lamarck). CMFRI - E. 46. Kieta, Bougainville (Solomon Islands).

ORDER SPINULOSA

FAMILY ACANTHASTERIDAE

47. *Acanthaster planci* (Linnaeus). CMFRI - E. 47. Kadamath (Laccadives); Nancowry (Nicobar); Keita, Bougainville (Solomon Islands).

FAMILY ECHINASTERIDAE

48. *Echinaster purpureus* (Gray). CMFRI - E. 48. Port Louis (Mauritius).

49. *E. luzonicus* (Gray). CMFRI - E. 49. Mandapam, Tuticorin (Gulf of Mannar); Keita, Bougainville (Solomon Islands).

FAMILY ASTERINIDAE

50. *Asterina burtoni* Gray. CMFRI - E. 50. Mandapam (Gulf of Mannar); Al Ghardaqa 27° 15' N., 33° 49' E., Quseir, 26° 27' N., 34° 11' E., Wadi el Dom, 29° 27' N., 32° 31' E. (Red Sea); Port Louis (Mauritius).

51. *A. lorioli* Koehler. CMFRI - E. 51. Mandapam (Gulf of Mannar).

52. *Anseropoda sarasini* de Loriol. CMFRI - E. 52. Mandapam (Palk Bay).

CLASS OPHIUROIDEA

ORDER EURYALAE

FAMILY GORGONOCEPHALIDAE

53. *Astroboa clavata* (Lyman). CMFRI - E. 53. Tuticorin (Gulf of Mannar).

ORDER OPHIURAE

FAMILY OPHIOMYXIDAE

54. *Ophiomyxa australis* Lutken. CMFRI - E. 54. Minicoy (Laccadives).

FAMILY AMPHIURIDAE

55. *Amphipholis squamata* (Delle Chiaje). CMFRI - E. 55. Mandapam (Gulf of Mannar).

56. *Amphioplus depressus* (Ljungman). CMFRI - E. 56. Cochin.

57. *Amphioplus* sp. CMFRI - E. 57. Al Ghardaqa 27° 15' N., 33° 49' E. (Red Sea).

58. *Ophiocnida echinata* (Ljungman). CMFRI - E. 58. Tuticorin (Gulf of Mannar).

FAMILY OPHIACTIDAE

59. *Ophiactis savignyi* Muller & Troschel. CMFRI - E. 59. Mandapam (Palk Bay and Gulf of Mannar); Minicoy (Laccadives).

60. *O. modesta* Brock. CMFRI - E. 60. Rameswaram (Palk Bay).

FAMILY OPHIOTRICHIDAE

61. *Ophiogymna lineata* H. L. Clark. CMFRI - E. 61. Kilakarai, Mandapam (Gulf of Mannar).

62. *Ophiothela danae* Verrill. CMFRI - E. 62. Mandapam, Tuticorin (Gulf of Mannar).

63. *Gymnolophus obscura* (Ljungman). CMFRI - E. 63. Tuticorin (Gulf of Mannar).

64. *Ophiocnemis marmorata* (Lamarck). CMFRI - E. 64. Tuticorin, Mandapam (Gulf of Mannar).

65. *Ophiomaza cacaotica* Lyman. CMFRI - E. 65. Mandapam (Gulf of Mannar).

66. *O. cacaotica* var. *picta* H. L. Clark. CMFRI - E. 66. Tuticorin (Gulf of Mannar).

67. *O. cataphracta* (Brock). CMFRI - E. 67. Tuticorin (Gulf of Mannar).

68. *Ophiothrix savignyi* (Muller & Troschel). CMFRI - E. 68. Wadi el Dom, 29° 26' N., 32° 30' E.,
Great Bitter Lake (Red Sea).

69. *O. trilineata* Lutken. CMFRI - E. 69. Port Louis (Mauritius).

70. *O. accedens* Koehler. CMFRI - E. 70. Tuticorin (Gulf of Mannar).

71. *O. variegata* Duncan. CMFRI - E. 71. Mandapam (Gulf of Mannar).

72. *O. (Keystonea) nereidina* (Lamarck). CMFRI - E. 72. Tuticorin (Gulf of Mannar); Bitra
(Laccadives).

73. *Macrophiothrix aspidota* (Muller & Troschel). CMFRI - E. 73. Mandapam (Gulf of Mannar);
Vizhingam, Jamnagar (Arabian Sea); Port Blair (Andamans).

74. *M. galatea* (Koehler). CMFRI - E. 74. Port Blair (Andamans).

75. *M. variabilis* (Duncan). CMFRI - E. 75. Rameswaram (Palk Bay).

76. *M. speciosa* (Koehler). CMFRI - E. 76. Port Blair (Andamans).

77. *M. hirsuta hirsuta* (Muller & Troschel). CMFRI - E. 77. Al Ghardaqa 27° 15' N., 33° 49' E.
(Red Sea).

FAMILY OPHIOCOMIDAE

78. *Ophicomella sexradia* (Duncan). CMFRI - E. 78. Mandapam (Palk Bay); Bitra (Laccadives); Port Blair (Andamans).
79. *Ophiarthrum elegans* Peters. CMFRI - E. 79. Port Blair (Andamans).
80. *O. pictum* (Muller & Troschel). CMFRI - E. 80. Nancowry (Nicobar).
81. *Ophiomastix annulosa* (Lamarck). CMFRI - E. 81. Port Blair (Andamans); Car Nicobar; Minicoy (Laccadives).
82. *Ophiocoma erinaceus* Muller & Troschel. CMFRI - E. 82. Port Blair (Andamans); Minicoy, Bitra (Laccadives); Port Louis (Mauritius); Al Ghardaqa, 27° 15' N., 33° 49' E. North of Quseir, 26° 17' N., 34° 11' E. (Red Sea).
83. *O. scolopendrina* (Lamarck). CMFRI - E. 83. Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives); Port Louis (Mauritius); Al Ghardaqa, 27° 13' N., 33° 51' E. Quseir, 26° 17' N., 34° 11' E., Safaga, 26° 37' N., 34° 00' E., Port Eilat (Red Sea).
84. *O. pica* Muller & Troschel. CMFRI - E. 84. Chetlat (Laccadives); Nancowry (Nicobar); Al Ghardaqa, 27° 15' N., 33° 49' E., Quseir, 26° 17' N., 34° 11' E., Safaga, 26° 37' N., 34° 00' E. (Red Sea).
85. *O. brevipes* Peters. CMFRI - E. 85. Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives).
86. *O. valenciae* Muller & Troschel. CMFRI - E. 86. Al Ghardaqa, 27° 15' N., 33° 49' E., Quseir, 26° 17' N., 34° 11' E. (Red Sea).
87. *O. anaglyptica* Ely. CMFRI - E. 87. Chetlat (Laccadives).
88. *O. insularia* var. *variegata* (Smith). CMFRI - E. 88. Port Blair (Andamans); Minicoy (Laccadives).

FAMILY OPHIOCHITONIDAE

89. *Ophionereis dubia* (Muller & Troschel). CMFRI - E. 89. Tuticorin (Gulf of Mannar); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).

FAMILY OPHIODERMATIDAE

90. *Ophiarachnella gorgonia* (Muller & Troschel). CMFRI - E. 90. Port Blair (Andamans).
91. *O. intermedia* (Bell). CMFRI - E. 91. Tuticorin (Gulf of Mannar).

FAMILY OPHIURIDAE

92. *Ophiolepis superba* H. L. Clark. CMFRI - E. 92. Keita, Bougainville (Solomon Islands).

93. *O. cincta* Muller & Troschel. CMFRI - E. 93. Port Blair (Andamans).
 94. *Ophiomusium fimbriatum* Koehler. CMFRI - E. 94. Kakinada, 17° 10' N., 84° 30' E.

CLASS ECHINOIDEA

ORDER CIDAROIDA

FAMILY CIDARIDAE

95. *Prinocidaris baculosa* (Lamarck). CMFRI - E. 95. Wadi el Dom, 29° 27' N., 32° 31' E.
 (Red Sea).
 96. *Eucidaris metularia* (Lamarck). CMFRI - E. 96. Port Blair (Andamans).
 97. *Phyllacanthus imperialis* (Lamarck). CMFRI - E. 97. Cochin.

ORDER CAMERODONTA

FAMILY TEMNOPLEURIDAE

98. *Temnopleurus toreumaticus* L. Agassiz. CMFRI - E. 98. Mandapam (Gulf of Mannar); Gulf of Kutch; Off Puri, 19° 5' N., 84° 50' E.; Port Blair (Andamans).
 99. *Salmacis bicolor* var. *typica* Mortensen. CMFRI - E. 99. Mandapam (Gulf of Mannar); Off Puri, 10° 5' N., 85° 50' E; Nancowry (Nicobar).
 100. *S. bicolor* var. *rarisipina* L. Agassiz. CMFRI - E. 100. Jamnagar (Arabian Sea).
 101. *S. virgulata* L. Agassiz. CMFRI - E. 101. Mandapam (Gulf of Mannar).
 102. *Salmaciella dussumieri* (L. Agassiz). CMFRI - E. 102. Tuticorin (Gulf of Mannar).
 103. *Mespilia globulus* (Linnaeus). CMFRI - E. 103. Keita, Bougainville (Solomon Islands).

FAMILY TOXOPNEUSTIDAE

104. *Tripneustes gratilla* (Linnaeus). CMFRI - E. 104. Krusadai Island (Gulf of Mannar); Nancowry (Nicobar); Port Louis (Mauritius); Al Ghardaqa, 27° 15' N., 33° 49' E; Port Eilat (Red Sea).
 105. *T. depressus* A. Agassiz. CMFRI - E. 105. Keita, Bougainville (Solomon Islands).
 106. *Nudechinus scotiopremnus* H. L. Clark. CMFRI - E. 106. Great Bitter Lake, Ataq, 29° 57' N., 32° 23' E. (Red Sea).
 107. *Pseudoboletia maculata* Troschel. CMFRI - E. 107. Minicoy (Laccadives).

FAMILY ECHINOMETRIDAE

108. *Echinostrephus molare* (Blainville). CMFRI - E. 108. Port Blair (Andamans).

109. *Echinometra mathaei* (Blainville). CMFRI - E. 109. Shingle Island (Gulf of Mannar); Minicoy (Laccadives); Port Blair, (Andamans); Nancowry (Nicobar); Port Louis (Mauritius); Keita, Bougainville (Solomon Islands); Darvel Bay 04° 36' N., 118° 45' E. (N. E. Borneo); Port Eilat, Al Ghardaqa, 27° 15' N., 33° 49' E., Wadi el Dom, 29° 27' N., 32° 31' E., Safaga, 26° 47' N., 33° 57' E. (Red Sea).
110. *E. mathaei* var. *oblonga* (Blainville). CMFRI - E. 110. Port Blair (Andamans); Nancowry (Nicobar).
111. *Heterocentrotus mammillatus* (Linnaeus). CMFRI - E. 111. Agathi (Laccadives); Quseir, 26° 17' N., 34° 11' E. (Red Sea); Port Louis (Mauritius).
112. *H. trigonarius* (Lamarck). CMFRI - E. 112. Port Louis (Mauritius).
113. *Colobocentrotus atratus* (Linnaeus). CMFRI - E. 113. Port Louis (Mauritius).

ORDER AULODONTA
FAMILY DIADEMATIDAE

114. *Astropyga radiata* (Leske). CMFRI - E. 114. Tuticorin (Gulf of Mannar).
115. *Diadema setosum* (Leske). CMFRI - E. 115. Port Blair (Andamans); Nancowry (Nicobar); Keita, Bougainville (Solomon Islands); Simpson Harbour, Rabaul, 04° 14' S., 152° 10' E. (New Britain); Wadi el Dom, 29° 27' N., 32° 31' N. (Red Sea).
116. *D. savignyi* Michelin. CMFRI - E. 116. Port Blair (Andamans); Minicoy (Laccadives); Guadacanal Island (Solomon Islands).
117. *Echinothrix calamaris* (Pallas). CMFRI - E. 117. Port Blair, Rangat Bay (Andamans); Port Eilat, Quseir, 26° 17' N., 34° 11' E. (Red Sea).
118. *E. diadema* (Linnaeus). CMFRI - E. 118. Minicoy (Laccadives).

ORDER STIRODONTA
FAMILY STOMOPNEUSTIDAE

119. *Stomopneustes variolaris* (Lamarck). CMFRI - E. 119. Mandapam (Gulf of Mannar); Waltair; Minicoy (Laccadives); Port Louis (Mauritius).

ORDER CLYPEASTROIDA
FAMILY CLYPEASTERIDAE

120. *Clypeaster humilis* (Leske). CMFRI - E. 120. Tuticorin (Gulf of Mannar); Cochin; Al Ghardaqa, 27° 15' N., 33° 49' E., Port Eilat (Red Sea).

FAMILY LAGANIDAE

121. *Laganum depressum* Lesson. CMFRI - E. 121. Tuticorin (Gulf of Mannar); Rangat Bay (Andamans).
122. *Peronella orbicularis* (Leske). CMFRI - E. 122. Mandapam (Gulf of Mannar).

FAMILY SCUTELLIDAE

123. *Echinodiscus auritus* (Leske). CMFRI - E. 123. Kilakkarai, Tuticorin (Gulf of Mannar); Off Cape Comorin; Off Visakhapatnam, 17° 15' N., 83° 35' E; Ain Sokhna, 29° 34' N., 32° 21' E. (Red Sea).
124. *E. bisperforatus* Leske. CMFRI - E. 124. Pamban (Gulf of Mannar); Al Ghardaqa, 27° 15' N., 33° 49' E., Ain Sokhna, 29° 34' N., 32° 21' E. (Red Sea).

FAMILY FIBULARIIDAE

125. *Fibularia volva* L. Agassiz. CMFRI - E. 125. Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).

FAMILY ARACHNOIDIDAE

126. *Arachnoides placenta* (Linnaeus). CMFRI - E. 126. Rangat Bay (Andamans).

ORDER SPATANGOIDA

FAMILY PALAEONEUSTIDAE

127. *Elipneustes denudatus* (Koehler). CMFRI - E. 127. Off South West Ceylon, 07° 09' N., 77° 12' E.

FAMILY LOVENIIDAE

128. *Breynia vredenburgi* Anderson. CMFRI - E. 128. Port Blair (Andamans).
129. *Lovenia elongata* Gray. CMFRI - E. 129. Tuticorin (Gulf of Mannar); Port Eilat, Wadi el Dom, 29° 27' N., 32° 31' E. (Red Sea).

FAMILY BRISSIDAE

130. *Metalia sternalis* (Lamarck). CMFRI - E. 130. Tuticorin (Gulf of Mannar).
131. *M. spatangus* (Linnaeus). CMFRI - E. 131. Minicoy (Laccadives).
132. *Brissopsis luzonica* (Gray). CMFRI - E. 132. Quseir, 26° 17' N., 34° 11' E. (Red Sea).

ORDER CASSIDULOIDA
FAMILY ECHINOLAMPADIDAE

133. *Echinolampas ovata* (Leske). CMFRI - E. 133. Mandapam (Gulf of Mannar).
134. *E. alexandri* de Loriol. CMFRI - E. 134. Tuticorin (Gulf of Mannar).

ORDER HOLECTYPOIDA
FAMILY ECHINONEIDAE

135. *Echinoneus cyclostomus* Leske. CMFRI - E. 135. Port Louis (Mauritius).

CLASS HOLOTHUROIDEA
ORDER DENDROCHIROTA
FAMILY CUCUMARIIDAE

136. *Pentacta quadrangularis* (Troschel). CMFRI - E. 136. Vedalai (Gulf of Mannar).
137. *Pseudocolochirus violaceus* (Theel). CMFRI - E. 137. Mandapam, Pamban (Gulf of Mannar);
Off Kalingapatnam, 19° 51' N., 84° 50' E.
138. *Stolus buccalis* (Stimpson). CMFRI - E. 138. Mandapam (Gulf of Mannar); Rameswaram
(Palk Bay).
139. *Thyone herdmani* (Pearson). CMFRI - E. 139. Mandapam (Gulf of Mannar).
140. *Leptopentacta typica* (Theel). CMFRI - E. 140. Cochin; Neendakara (Arabian Sea).
141. *Hemithyone semperi* (Bell). CMFRI - E. 141. Pamban (Gulf of Mannar).

FAMILY PHYLLOPHORIDAE

142. *Phyllophorus (Phyllophorella) parvepides* H. L. Clark. CMFRI - E. 142. Vedalai (Gulf of
Mannar).
143. *Actinocucumis typicus* Ludwig. CMFRI - E. 143. Pamban, Mandapam (Gulf of Mannar);
Port Okha.
144. *Afrocucumis africana* (Sempar). CMFRI - E. 144. Port Blair (Andamans); Minicoy
(Laccadives).
145. *Ohshimella ehrenbergi* (Selenka). CMFRI - E. 145. Al Ghardaqa, 27° 15' N., 33° 49' E.
(Red Sea); Mahe Island (Seychelles).

ORDER ASPIDOCHIROTA
FAMILY STICHOPODIDAE

146. *Thelenota ananas* (Jaeger). CMFRI - E. 146. Minicoy (Laccadives).

147. *Stichopus choloronotus* (Brandt). CMFRI - E. 147. Chetlat (Laccadives); Nancowry (Nicobar).
 148. *S. variegatus* Sempar. CMFRI - E. 148. Vedalai, Tuticorin (Gulf of Mannar); Port Blair (Andamans); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 149. *S. monotuberculatus* (Quoy & Gaimard). CMFRI - E. 149. Wadi el Dom, 29° 26' N., 32° 30' E. (Red Sea).
 150. *S. japonicus* Selenka. CMFRI - E. 150. Nancowry (Nicobar).

FAMILY HOLOTHURIIDAE

151. *Actinopyga mauritiana* (Quoy & Gaimard). CMFRI - E. 151. Port Blair, Rangat Bay (Andamans); Nancowry (Nicobar); Minicoy (Laccadives); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 152. *A. echinites* (Jaeger). CMFRI - E. 152. Port Blair (Andamans).
 153. *A. miliaris* (Quoy & Gaimard). CMFRI - E. 153. Minicoy (Laccadives).
 154. *Microthele nobilis* (Selenka). CMFRI - E. 154. Minicoy (Laccadives); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 155. *M. difficilis* (Semper). CMFRI - E. 155. Minicoy (Laccadives); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 156. *Holothuria rugosa* Ludwig. CMFRI - E. 156. Port Blair (Andamans).
 157. *H. moebi* (Ludwig). CMFRI - E. 157. Mandapam (Gulf of Mannar); Vizhingam (Arabian Sea).
 158. *H. cinerascens* (Brandt). CMFRI - E. 158. Mandapam (Gulf of Mannar); Vizhingam (Arabian Sea); Minicoy (Laccadives); Rangat Bay (Andamans).
 159. *H. spinifera* Theel. CMFRI - E. 159. Mandapam (Gulf of Mannar); Devipatnam (Palk Bay).
 160. *H. impatiens* (Forsk.) CMFRI - E. 160. Port Blair (Andamans); Minicoy (Laccadives); Adabiya Point, 29° 50' N., 32° 29' E., Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 161. *H. impatiens* var. *bicolor* H. L. Clark. CMFRI - E. 161. Port Blair (Andamans).
 162. *H. arenicola* Semper. CMFRI - E. 162. Port Blair (Andamans); Wadi el Dom, 29° 26' N., 32° 30' E., Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 163. *H. pardalis* Selenka. CMFRI - E. 163. Pulli Island (Gulf of Mannar); Port Blair (Andamans); Minicoy, Chetlat (Laccadives); Bedi Port (Gulf of Kutch); Port Okha; Wadi el Dom, 29° 26' N., 32° 30' E., Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
 164. *H. edulis* Lesson. CMFRI - E. 164. Mandapam, Tuticorin (Gulf of Mannar).
 165. *H. scabra* Jaeger. CMFRI - E. 165. Mandapam, Pamban (Gulf of Mannar); Bedi Port (Gulf of Kutch).
 166. *H. bivittata* Mitsukuri. CMFRI - E. 166. Port Blair (Andamans).
 167. *H. pervicax* Selenka. CMFRI - E. 167. Minicoy (Laccadives).

168. *H. atra* Jaeger. CMFRI - E. 168. Mandapam (Gulf of Mannar and Palk Bay).
169. *H. hilla* Lesson. CMFRI - E. 169. Kilakarai (Gulf of Mannar); Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives).
170. *H. leucospilota* (Brandt). CMFRI - E. 170. Kilakarai, Tuticorin (Gulf of Mannar); Vizhingam, Karwar (Arabian Sea); Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives); Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
171. *H. marmorata* (Jaeger). CMFRI - E. 171. Port Blair (Andamans); Minicoy (Laccadives).
172. *H. argus* Semper. CMFRI - E. 172. Mandapam (Gulf of Mannar).
173. *H. albiventer* Semper. CMFRI - E. 173. Great Bitter Lake (Red Sea).
174. *H. polli* Delle Chiaje. CMFRI - E. 174. Wadi el Dom, 29° 27' N., 32° 31' E. (Red Sea).

ORDER MOLPADONIA

FAMILY CAUDINIDAE

175. *Acaudina irania* (Heding). CMFRI - E. 175. Tuticorin (Gulf of Mannar).
176. *A. australis* (Semper). CMFRI - E. 176. Tuticorin (Gulf of Mannar).

ORDER APODA

FAMILY CHIRODOTIDAE

177. *Polycheira rufescens* (Brandt). CMFRI - E. 177. Port Blair, Rangat Bay (Andamans).

FAMILY SYNAPTIDAE

178. *Protankyra innominata* Koehler. CMFRI - E. 178. Tuticorin (Gulf of Mannar).
179. *Synapta maculata* (Chamisso & Eysenherdt). CMFRI - E. 179. Port Blair (Andamans); Minicoy (Laccadives).
180. *Euapta godeffroyi* (Semper). CMFRI - E. 180. Minicoy (Laccadives).
181. *Chondrocloea striata* (Sluiter). CMFRI - E. 181. Tuticorin (Gulf of Mannar).
182. *C. recta* (Semper). CMFRI - E. 182. Mandapam (Palk Bay).
183. *C. reciprocans* (Forsk.) CMFRI - E. 183. Al Ghardaqa, 27° 15' N., 33° 49' E., Wadi el Dom, 29° 27' N., 32° 31' E., Great Bitter Lake (Red Sea).
184. *Patinapta dumasi* Cherbonnier. CMFRI - E. 184. Wadi el Dom, 29° 26' N., 32° 30' E., Al Ghardaqa, 27° 15' N., 33° 49' E. (Red Sea).
185. *Ophiodesma grisea* (Semper). CMFRI - E. 185. Car Nicobar; Nancowry (Nicobar); Rangat Bay (Andamans).

